

Keep kids learning

Dear Parents/Caregivers

This student work pack is a resource for you to support your child's learning from home during this time. We know that every child is unique in their learning journey as they have different interests and strengths. Families can use these packs in different ways to suit their needs.

These learning materials can be used when and as you think best for your child. There is no requirement for students to complete everything contained within the pack, or to do the activities in any order.

To assist parents/caregivers to use these materials, we have divided the materials contained within the pack into ones to use daily:

1. English - especially reading with your child
2. Maths - many can be done actively, with materials around your home
3. Wellbeing – we know it is so important at this time to keep students healthy and work on their strengths

There are also other learning areas you can use as projects or fun activities with your child:

1. Arts
2. Humanities and Social Sciences
3. Science

If you would like to ask about these activities, you can email us on homelearning.doe@nt.gov.au

There are also a number of online educational resources and activities that you may like to use with your child. Please use the following internet address <https://nt.gov.au/learning-together> to access these materials.

Thank you

We acknowledge and thank our state and territory government colleagues for their materials contained in this pack

Literacy

This book has literacy activities to support your child in their learning. These activities support their **reading**, **talking** and **writing** skills.

Children learn by copying adults. Learning with you and other family members in a fun way is important. They also learn by playing and doing things themselves and with other children. They learn to talk by listening to adults and other children. They learn about reading through listening and by practising. Mistakes are part of their learning.

Many of the activities encourage family participation and can be done with younger or older family members. We encourage this, but remember there are many activities that your children can do by themselves. If they can read the pages by themselves they may only need a little guidance.

Encourage your child to listen, talk, read, write, think, view and problem solve. This will support your child learning through talking. Avoid interrupting and listen to the whole of what they are communicating. Give positive messages to show that you are interested (nodding, smiles, gestures).

It is also important to read, write and talk in your home language as well as in English.

How can I support my child?

Read through the activities first. Start with an activity that you are comfortable with and that suits your child. For example, if you read with your child, start with reading a book. If you cook with your child, read through a recipe with them.

The activities are a guide, and you can change these activities to suit your child. Think about - what is your child interested in? What games or equipment do you have that you can use to support their reading, talking and writing?

Some activities you can do together are: reading together, drawing, singing, role play, storytelling, reciting poems, game playing and rhyming.

When reading together, take turns with your child to read a story. Ask them to share what they are thinking. What does the story remind them of? What questions do they have?

If your child is not ready to start writing on their own, you can give them support. This can mean talking together about their ideas and writing these down for them. Read a story and find the important words. Write these words out for your child and encourage them to have a go at writing them too.

Give them positive feedback and ask them questions. Try to ask open-ended questions. These are questions that need more than a yes or no answer, and that ask them to think and explain. This will boost their reading interest, increase their thinking skills and help them to understand the story.

Open ended questions also build oral language skills as you explore or play together. Not all learning happens at the desk.

At Home Learning Literacy Activities (Talking, Reading and Writing)

Talking for learning

- Ask your child to discuss with you a wide variety of topics. Some topics will come up in day to day activities or other learning activities, other topics that you could initiate discussions about could be: different jobs, what jobs do you think are most important, what would you like to do for work; families, are they all the same or are some different, what makes a family; holidays, favourite place to relax, most important bit of knowledge you have, most important things you do.
- See 'Ways to help develop your child's thinking and talking skills' page.
- Encourage your child to talk more deeply about a topic, so ask for more information, ask why, ask for examples, see if they can explain something a different way.
- Discuss different ways to solve problems. What would happen if...?
- Ask your child to give reasons for his or her choices when making a decision.
- Listen and respond in ways that encourage further thinking aloud, rather than ending the conversation with your opinion.
- Remember not to talk too fast, talk at a normal pace and volume and use adult words. Encourage them to ask about words they don't understand and explain new words or topic specific words to them.
- If possible, help your child listen to and share ideas in a safe way with a range of people from various backgrounds and age groups. This could be with family members, over the phone or if you have access over videos online.

Sharing opinions

- Listen to your child talk about a story they have read, a picture they like, an activity they have done or a favourite memory.
- Ask them to share why they chose it, what they like about it or don't and why.
- Ask questions to find out more information. Encourage your child to write and draw about what they have talked about.
- Is it appropriate to add a diagram to support what they were talking about?

Talking about books or shows

- Talk to your child about the choices an author or filmmaker might make to create a book, play or film in a particular way. If your child is interested they might like to investigate this further.
- Before and after viewing the show/movie, discuss the topics, characters, values and attitudes in it.
- Talk about language choices and why characters look or behave in certain ways.
- What is the purpose of the writing or film?
- Does it change the way you feel or think about a certain subject?
- How do the issues in the writing or film meet with the values and attitudes in your home culture?
- Some responses you could use with your children could be: "Tell me more!", "That's interesting!", "I never thought of that",
- Remember your child doesn't need to have to have a convincing argument for everything, and as a parent you don't have to know everything. Just listen to them and help them join in a conversation.

Remember:

- Don't lecture but ask questions and encourage thinking.
- There aren't always right or wrong answers.

Saying it out loud

Singing songs, chanting rhymes and poems helps your children project their voice, learn rhyming and develop confidence in speaking.

- Share your favourite poems, rhymes, chants or songs with your children.
- Learn them together. Practice and perform for other family members friends or record to share with others.
- You can make costumes or props for effect.
- Have a go at changing one to make it new or making up a new one together.

See if your child can change or write their own.

<p>Read everyday Listen to your child read every day. Your child could read books at home, pamphlets, instructions, cookbooks, boxes, writing you or other children/adults have written. If you have access to online resources see 'Book online'.</p> <p>Here are some ideas to use but remember some reading should just be for pleasure. Also see the 'Questions to ask about reading' page for more ideas and questions to ask.</p> <ul style="list-style-type: none"> • look at the cover, title, pictures and talk about what the book might be about • talk about the story so far and what might happen next • after reading, talk about the story and ask questions • talk about the pictures and how they add meaning to the text • take turns when reading a harder book. <p>Remember the three Ps for new words: pause, prompt, praise. That is, allow your child time to work out the word (pause), use clues taken from the context (prompt) and praise your child for trying. If necessary, however, simply tell your child the word.</p>	<p>Having fun with voices</p> <ul style="list-style-type: none"> • Try reading with different voices, lots of emotion, invented sound effects and funny faces. • Change the tone in your voice, vary the loudness or softness of your voice. <p>Have fun and enjoy it.</p>
<p>Books online If you can, find a book online. If you are searching for a suitable book to read, try</p> <ul style="list-style-type: none"> • Entering a publisher or an author's name into a reliable search engine, such as Google. • Some reliable publishers are Scholastic, Penguin, Allen & Unwin and Pan Macmillan. • These publishers have their own databases that will allow you to preview recent releases, read sample extracts, covers and read brief overviews. • Some sites you could visit are: Oxford Owl, Storyline Online, International Children's Digital Library, Mrs P's Magic Library, Open Library, Amazon Free Kids Books, Barnes and Noble Free Nook Books for Kids, Vooks Free. <p>The public libraries can also be accessed online and digital resources can be borrowed. If you or your children are not already members you can join online. Many of the libraries also have Facebook pages and have begun doing story times online. If you have Facebook you could look at what libraries are sharing online with your children.</p> <p>You can also find online books that are read to you.</p>	<p>Read together</p> <ul style="list-style-type: none"> • Read with your child. • You could take turns. • You could be a different character each. <p>Your child may just enjoy hearing you read to them. Together you could create a special reading place in your home with your child's favourite books within easy reach. Let your child help decorate it with patterns, shapes and designs.</p>
<p>Read for others Choose an appropriate book to read to a younger family member or friend.</p> <ul style="list-style-type: none"> • How can you make the story exciting? • Practice reading it before you read it to the family member or friend. • If you can, you could record yourself reading and share with family members or friends not there. <p>You could make your own drawing to go with the story or puppets to act it out.</p>	<p>Making connections</p> <ul style="list-style-type: none"> • Ask your child which parts of the book they found exciting, funny or different and why. • Is there another story, movie, memory or picture that the book they just read reminds them of? <p>How does it remind them of it?</p>

<p>Interesting words and sentences</p> <ul style="list-style-type: none"> • Look through books, magazines or other print materials you have at home with your child. • Search for interesting words and sentences. • Cut them out to make a collage or write them down (you could create an interesting word/sentence poster or book). • Encourage your child to use these in their own writing. • Chose a word together and see how many interesting sentences you can come up with using it. Who can come up with the most, do they all make sense? • You could write these on pieces of paper (see story chain) and make sentences or paragraphs with them. 	<p>Photo album or scrapbook</p> <ul style="list-style-type: none"> • With your child, make a photo album or scrapbook this can be with real photos, with images from magazines and newspapers or family drawings. Alternatively, you could use the visual prompts pages. • Your child can then write captions or stories to go with the photos and pictures. <p>Have fun with it. If possible, use different colours or types of pens/markers. If you have access to a computer, then your child could use it and take their own photos around the garden or of family members.</p>	<p>Family joke journal</p> <ul style="list-style-type: none"> • Family joke journals can be created by interviewing family members and writing down favourite jokes. This could be done via phone, FaceTime or messenger if your children want to access family members that do not live in the same household. • Discuss which jokes were the favourite. Are there any similarities. • Develop some rules or guidelines for creating a good joke, ie 'A Jones family joke...' • Your child can then write new joke, come up with their own ideas to add to the joke journal. • Your child or as a family you could write and draw or add images to support the jokes, if you have a computer, they could publish them in a word document. <p>This could also be done with poems.</p>
<p>Visual prompts</p> <ul style="list-style-type: none"> • Give your child a comfortable space to write in. • Let them choose one of the visual prompts or a photo or image they like from around the home. • Spend 5 minutes talking about the image (either with another child or adult). When children talk before writing it helps generate ideas. • They may like to plan out their writing before they write. They could write a story, information text or a persuasive text. Let them decide what style of writing they'd like to do. • Give your child time and space to write about their prompt. (15 to 30 mins). • Let them share and talk about what they have written to help generate more ideas and get some feedback (see responding to your children's writing). • Give them space again to write about their prompt, writing more or developing/adding to what they have already written (15 to 30 mins). • Again, let them share their writing. • If your child wants to continue with it or publish it give them the opportunity to do so. 	<p>Movies and TV Shows</p> <ul style="list-style-type: none"> • Try selecting a show or a movie from a TV guide. Your child could write a letter or design a poster to persuade you to let them watch the show/movie. • They need to think about reasons why and explain their point. • Encourage them to use strong words that encourage you to believe and get persuaded by them. • Children could use the show/movie to inspire their own story, changing it to make it their own or writing the next show or movie sequel. <p>You could encourage your child to:</p> <ul style="list-style-type: none"> • Write a story • Create a cartoon • Write a play or • Acting out a scene or show. <ul style="list-style-type: none"> • Get them to talk about, draw and/or plan it out before they write or create it 	

- Children can choose a prompt and write every day. Remember the more they talk and share, the more ideas and feedback they get to add detail and have fun with their writing.

Comic strips

- Comic strips give your child the chance to improve their dialogue writing skills, and to work on their understanding of character development, in a fun activity which combines writing with the use of a series of visuals.
- If you have comics or newspapers at home your child could look at and read them for ideas.
- You child might like some scrap paper to plan out their comic first.
- There are some blank comic strips that your child could use to write their own comic, or they may wish to do their own boxes.
- They can cut and paste photos or pictures to create a comic if they don't want to draw.
- Focus your child's attention on what the characters are saying or thinking in the comic. They can add more speech or think bubbles to the templates if they want.
- Get them to share their comic with other family members. Does it make sense? Is more information needed?
- Have fun with it.

Story chain

- This activity can be done together or individually. The idea is that you make a chain of writing. Your child could write a word on each piece of paper and join them together to make a sentence or a sentence on each piece to make a paragraph.

Making a chain

- Make a chain by cutting or ripping paper into strips.
- Write on the strip before you join them.
- Take the two ends of the strip and glue, staple or sticky tap them together.
- With the next strip, thread it through the last one before joining the ends.



Instructions

- This activity is about having fun with instruction writing.
- Look in recipe books or art books that you may have at home at how the instructions are written. They will include things like titles, numbered or bulleted points, action words (verbs) to tell you what to do, time connectives (first, then, next, last), photos or diagrams with labels etc.
- With your child brainstorm different 'silly sets' of instructions that you could write.
- For example:
 - How to make the most disgusting sandwich in the world
 - How to make the best hug
 - How to make a friend
 - How to make laughing powder
- Have your child choose one of the ideas and make up a set of 'silly' instructions with the ingredients, steps and diagrams or images.
- Have fun reading and sharing.

What if challenge

- This challenge helps encourage students to see links between posing of interesting hypothetical questions and the creation of an entertaining piece of writing.
- To begin this activity get you child or together as a family come up with 'what If questions' and write each one down on a different piece of paper. The more off-the-wall the better!
- For example, 'What if everyone in the world knew what you were thinking?' or 'What if your pet dog could talk?'
- Fold the questions up and put in a container so that your child can randomly choose one (keep the other questions so that you can do this activity again another day or week).
- Discuss the question that your child chose (discussing and hearing ideas will help them be able to write about it).
- Your child can then write a story inspired by the question and discussion or an answer to it. This could be open ended writing (as long as they want to write) or you could set a challenge and give them 10mins to write as much as they can about it.

Responding to your Child's Writing

- Read your child's writing or have them read the writing to you.
- Comment on the positive aspects. For example, "I really like the way you've described this."
- Focus on **one** thing to encourage them to develop
 - Correct usage of full stops and capital letters
 - Adding describing words or actions
 - Correcting tense
 - Adding detail
- Adding different or interesting sentences

Spelling

- All writing activities are related to spelling, help your child with those areas of spelling with which you feel confident.
- Remember that not all English words can be spelt correctly by "sounding out", e.g. the words "you" and "said".
- Try using different spelling strategies, such as sounding out the sounds of the word; breaking a word into parts (syllables) and spell each part; seeing if the word looks right.
- Talk about how you spell and what you do when you don't know how to spell a word.
- Provide a dictionary and use it together. Remember that dictionaries are more useful if your child has a knowledge of the alphabet and how a dictionary works. Talk about how you need to use the dictionary sometimes.
- Encourage your child to practise new words, say them, write them from memory and then check them.
- If your child can't find a strategy to help spell the word; simply tell them how it's spelt.
- Encourage your child to try to spell new words, then praise the parts that are correct, and suggest what else is needed. For example, if your child has written "litle" for "little" you might say, "You have five of the six letters right. One of the letters should be doubled. Can you tell which one it should be?"

To help develop spelling and vocabulary you can play word games such as I Spy, Scrabble, Boggle, Scattergories and crosswords.

Ask Questions While You Read

What do you think will happen next?

Why do you think that character did that?

How would you react if that happened to you?

Do you think that character did the right thing?

Have you ever felt that way?

Do you remember a time when you did something similar?

What was your favorite part of the story?

QUESTIONS TO ASK ABOUT READING

AUTHOR'S PURPOSE

- Is the author trying to persuade, inform, or entertain the reader?
- What message does the author want the reader to know?
- Why did the author write this piece?

ASKING QUESTIONS

- What questions do you have about what you read?
- What is something that you would ask the author?
- What else would you like to know about this topic?
- What do you think was the most important part?

MONITORING YOURSELF

- What background knowledge do you have that relates to this text?
- Did you ask yourself questions as you read?
- Did you reread sections that were difficult?
- What did you do when you came to a word you didn't know?

INFERENCE

- What is a generalization you can make about the main character?
- What is something you can figure out about the story that the author didn't tell you?

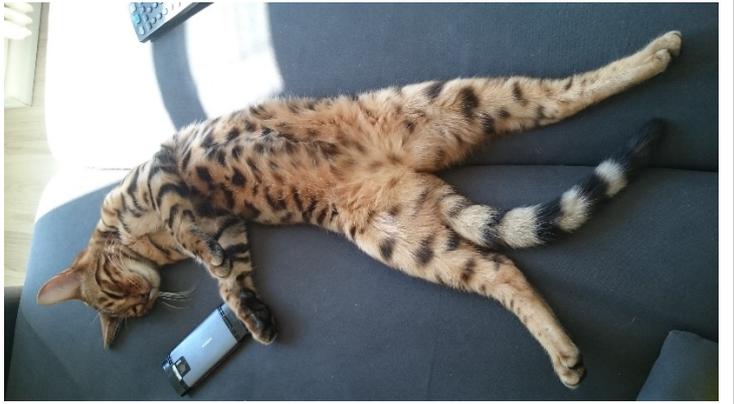
SUMMARY & MAIN IDEA

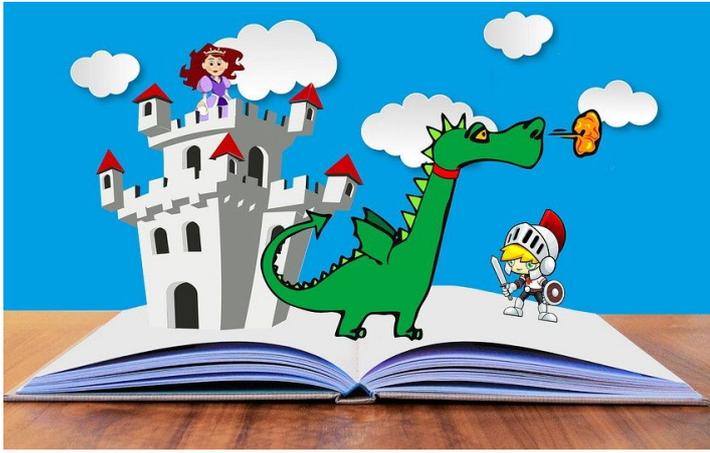
- What is the main idea? What are two supporting details?
- What would be a good title for this selection?
- What happened at the climax of the story?
- Write a summary including beginning, middle, and end.

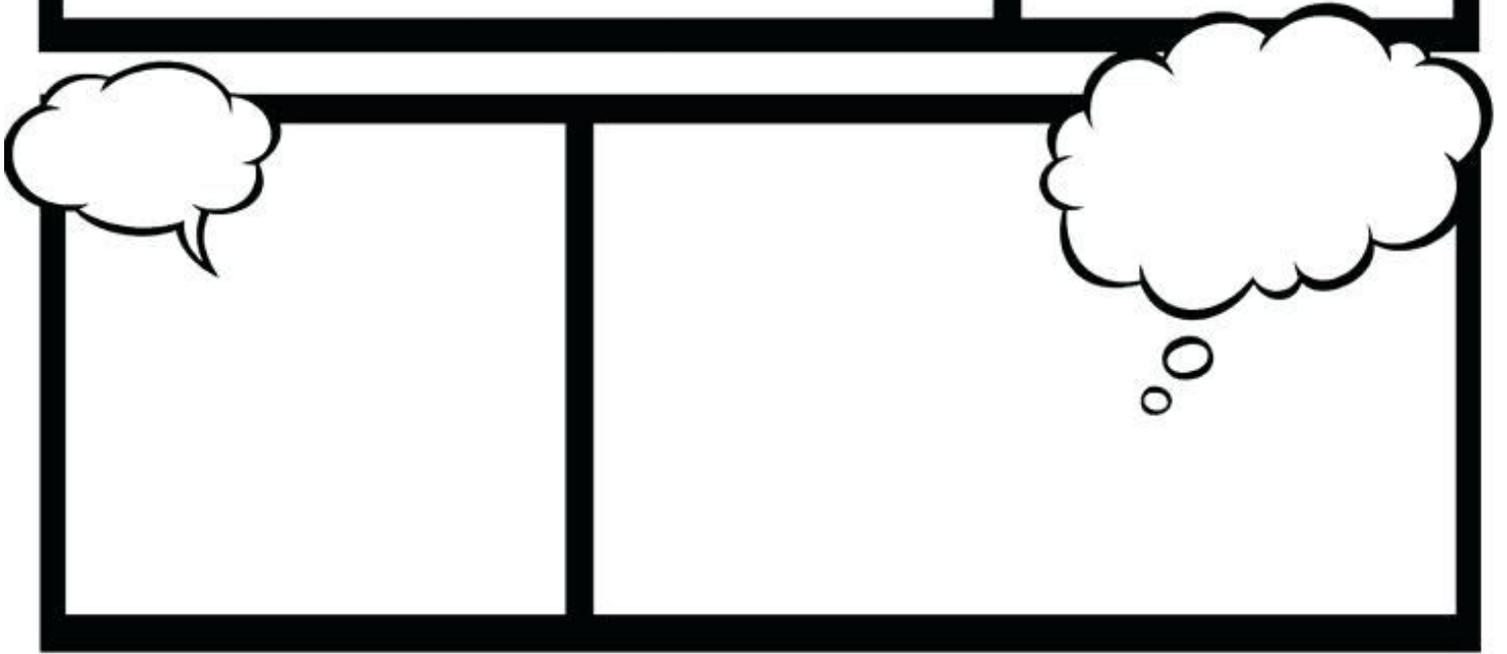
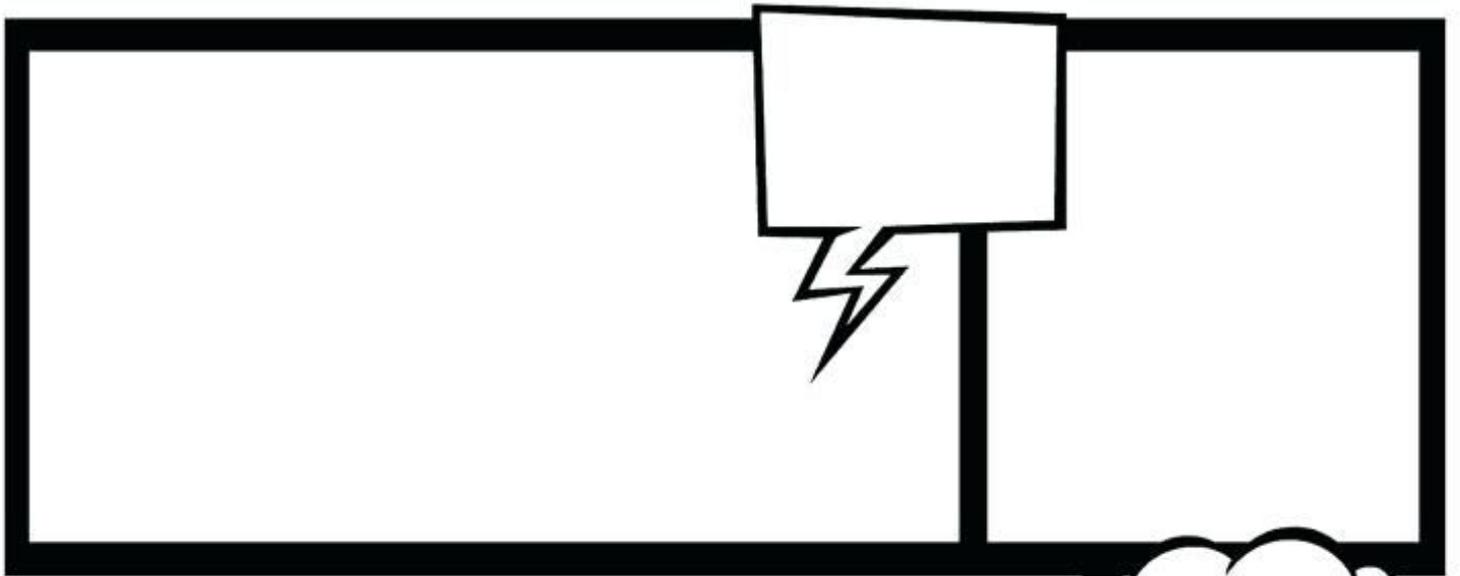
CONNECTIONS

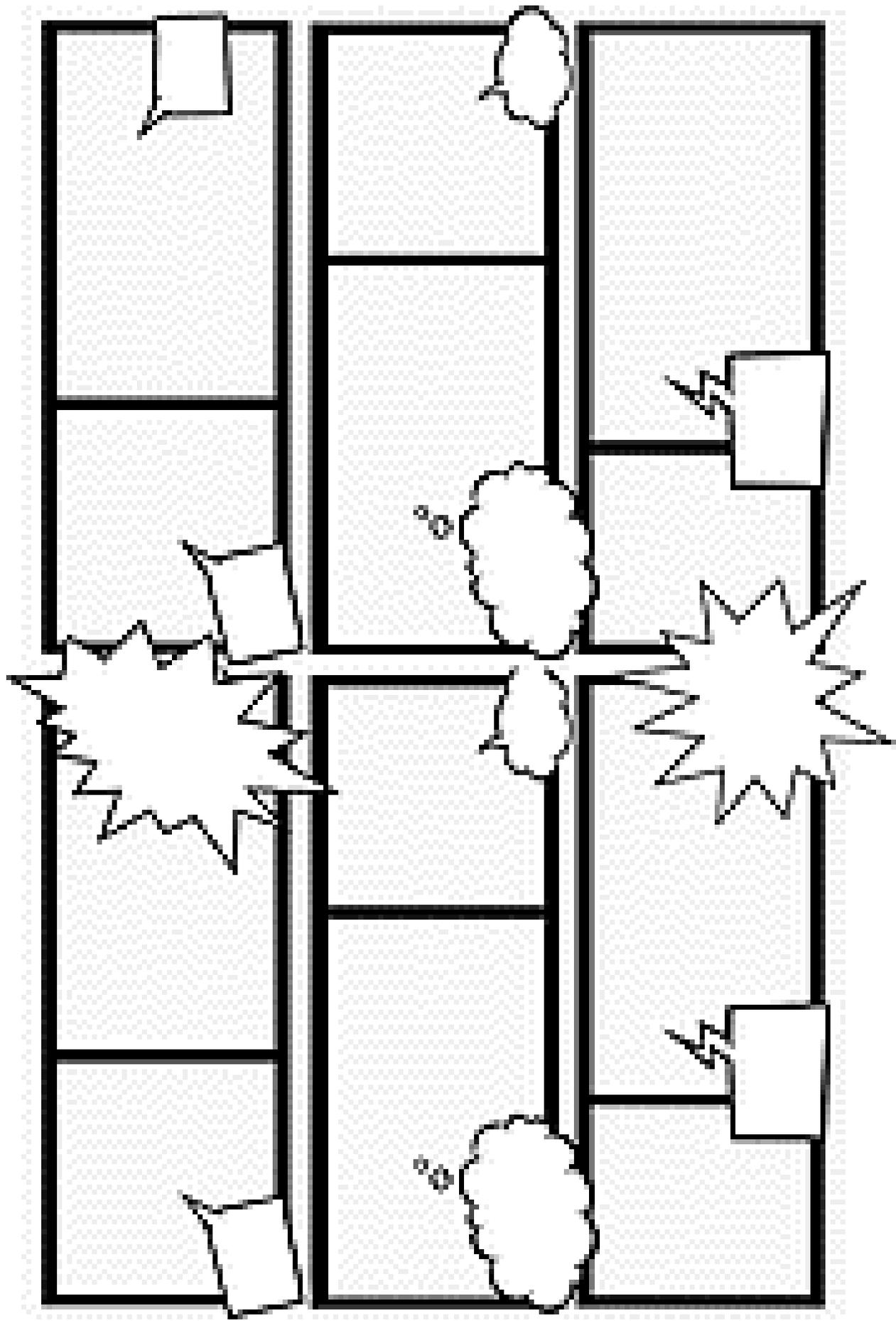
- What does this passage remind you of?
- What is another book you have read that has something in common with this one?
- What books have you read that have a similar theme or message?
- What is something you have learned this year that relates to the story?

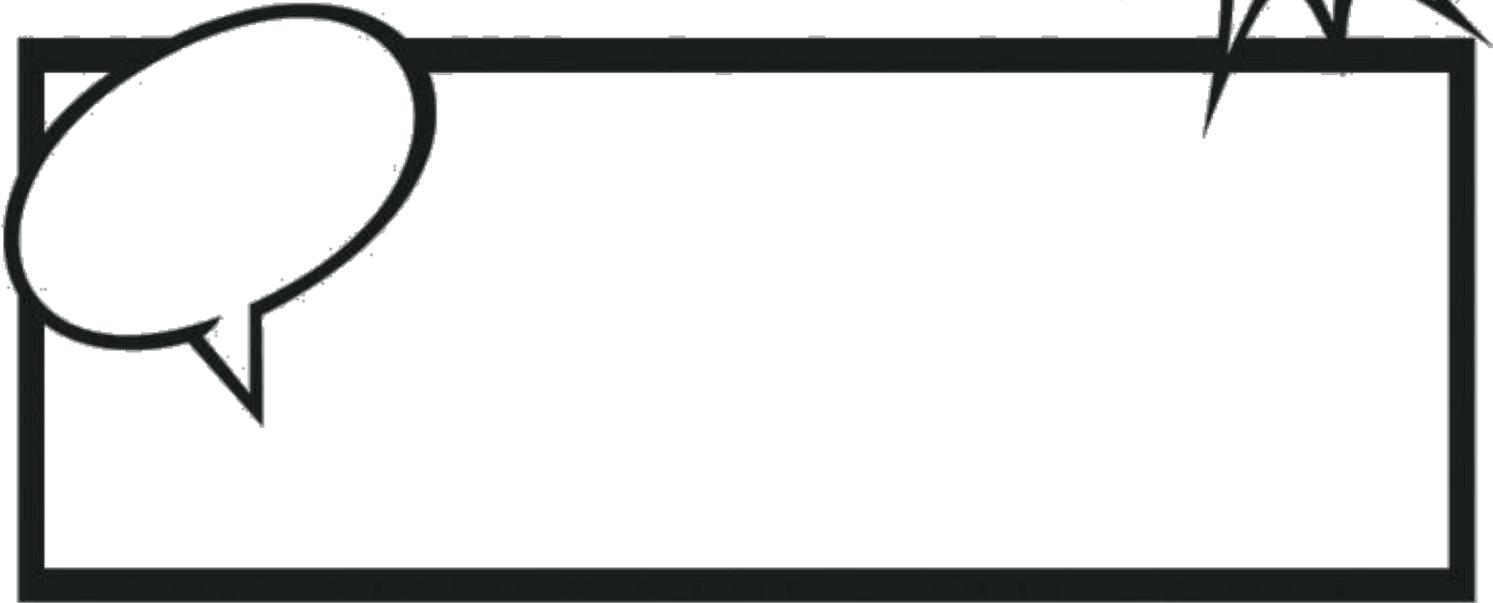


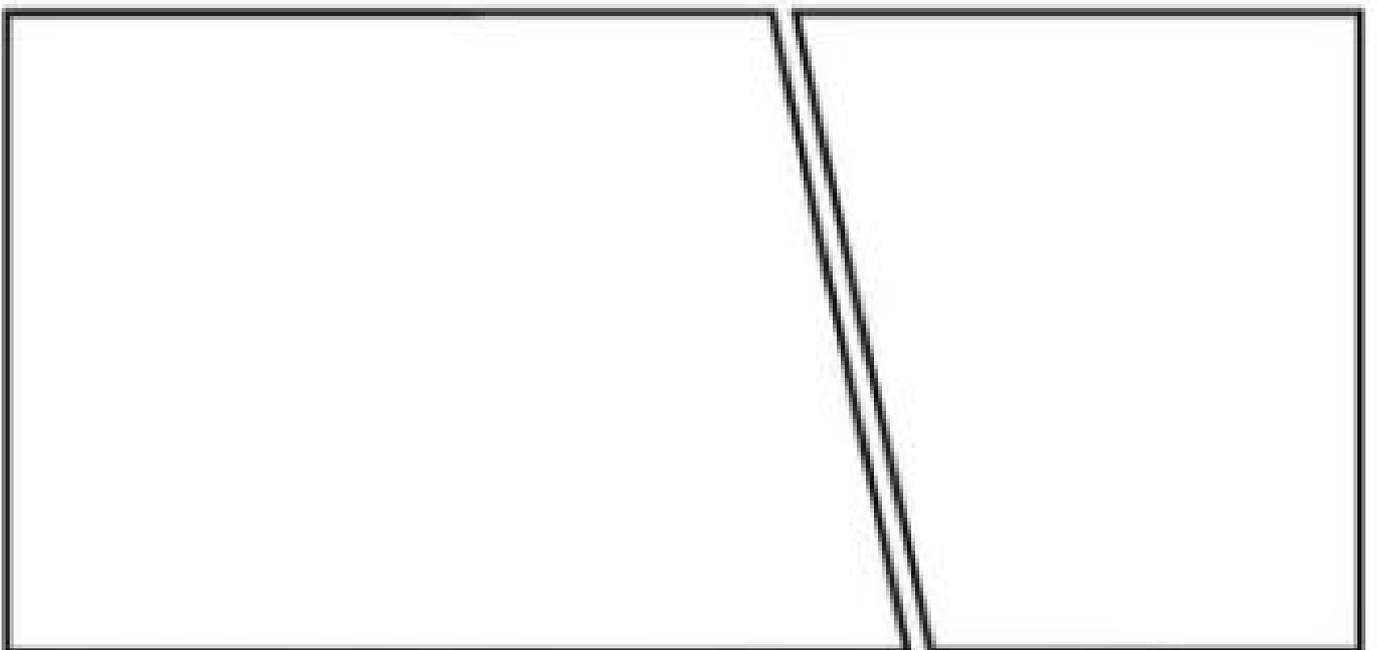
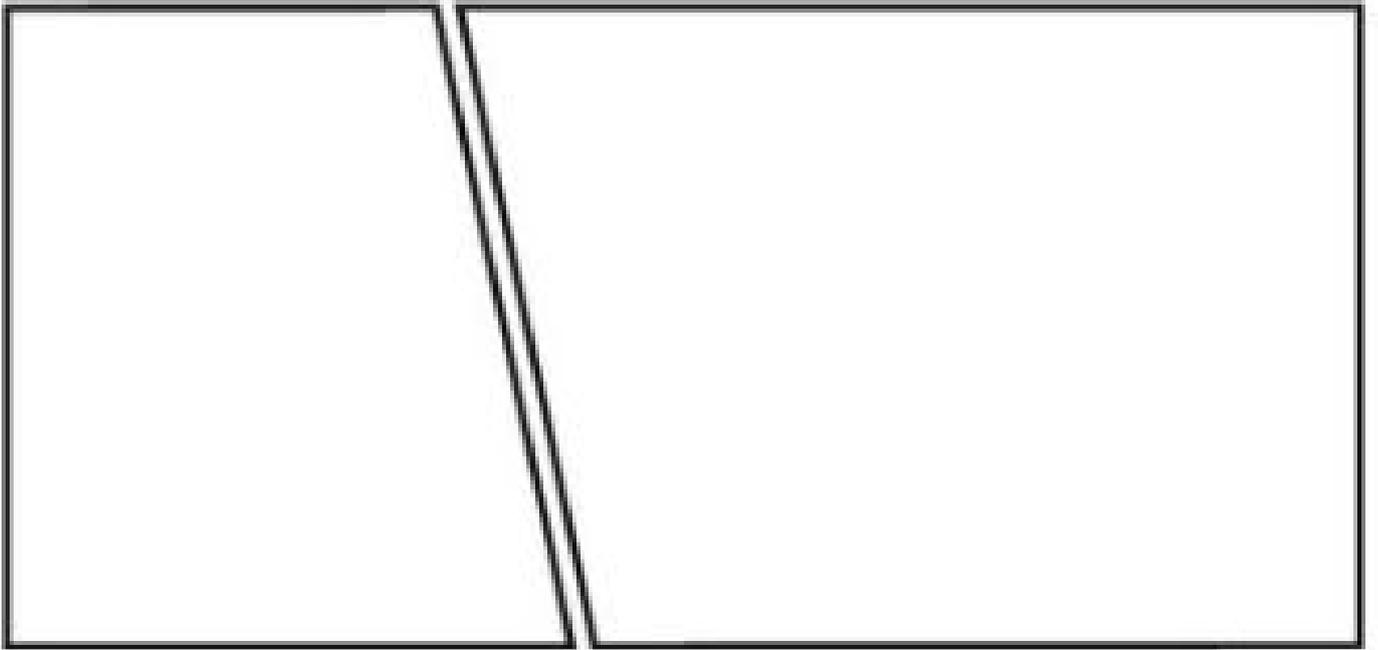












Flow Chart for Narrative Writing

Introduction

- The introduction grabs the reader's attention.
 - The setting for the story is described.
 - Some characters are introduced.
- Give a hint of the problem to come.

Body of Work

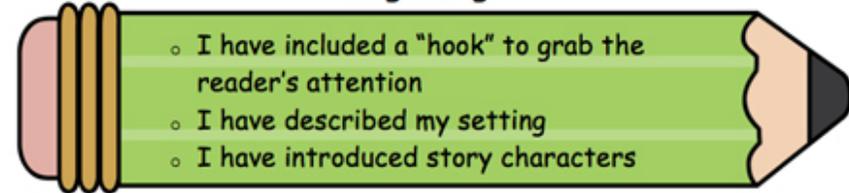
- Can be single or numerous paragraphs.
- Provide lots of details, adjectives, adverbs and action words.
 - The problem or excitement is outlined.
- All characters are introduced and described.
- Step(s) to resolve problem will be discussed.
 - Consider the sequence of events.

Ending

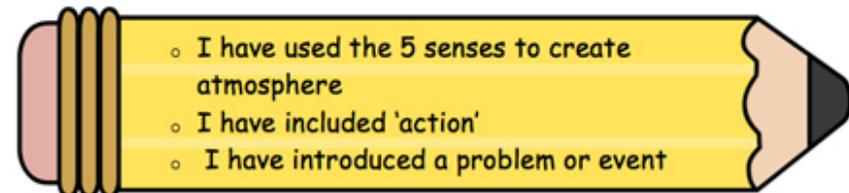
- Final resolution of the problem.
- The ending is effective; could be happy, startling, sad etc.
 - Provide a final thought or message.

Narrative Writing Checklist

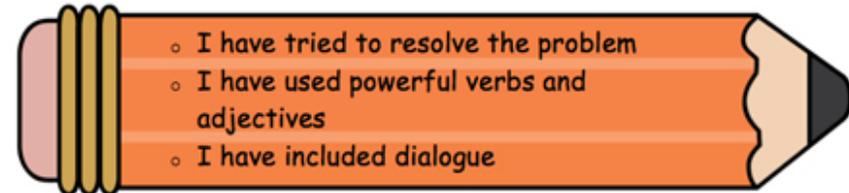
Beginning



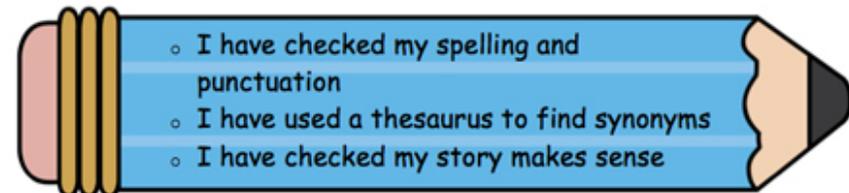
Middle



Ending



Editing



Recount

When do I use it?

To tell what happened or to retell events

Orientation

Tell who, what, when, where and why.

Sequence of Events

Present the events in time order. You may want to comment on the events as you write them.

Conclusion

Give your opinion about what has happened in your recount.

Use:

Action Verbs

- walked
- saw
- laughed
- acknowledged

Past Tense

- was
- went
- were

Quoted Speech

- The police officer yelled 'Stop!'

Reported Speech

- The police officer called to the thief to stop.

Conjunctions and Connectives

- when
- then
- first
- next

Noun Groups

- all the small dogs
- my shoes

Recount Connectives

At first...
Initially...
First...

Last week...
Last month...
Last year...

Meanwhile...
At the same time...
Moments later...

As we/I...
When we/I...
Having...
After...
Once we/I had...

Later...
Next...
After that...

Eventually...
In the end...
At last...

Information Report

When do I use it?

To present information about an object, animal, person or place

Classification

Introduce your topic.

Tell what the object or animal is, who the person is, or where the place is.

Description

Use paragraphs with topic sentences to organise the different bundles of information.

Object—size, shape and features, dynamics, where it is used or found

Person—characteristics, where he/she lives, what he/she does, achievements

Animal—appearance, behaviour, habitat, breeding

Place—size, facts, features

Conclusion

(Optional) You may want to make a personal comment about the subject of the report.

Use:

Timeless Present Tense

- Vultures circle their prey ...
- ... is a popular holiday destination

General Nouns

- ski resort
- rock musician
- mountain goat

Technical Terms

- Dolphins are mammals ...
- ... is an orthopaedic surgeon
- ... is situated on the San Andreas fault line

Relational Processes

- Jupiter is the largest planet in our solar system
- Unlike rabbits, the young fawns are born fully haired

WRITING ORGANIZER – Information Report

Introduction: *Definition or classification of the subject.*

May include a definition, classification or brief description.

Description: *- Important facts about the subject.*

- Facts about the subject, set out in paragraphs.

- Subheadings are often used. For example:

Animal	Person	Object	Place
Appearance	Name, Age	Appearance	Location
Habitat	Appearance	Parts	Climate
Movement	Personality	Functions	Geography
Food	Occupation	Features	Population
Behaviour	Achievements	Uses	Culture
Lifecycle	History	Values	History

- May include photos, pictures, maps or diagrams

Conclusion: *- Summary, question or comment (optional)*

Ways to help develop your child's thinking and talking skills

<h1>REMEMBER</h1> <p>Retrieve relevant knowledge from long-term memory.</p>  <ul style="list-style-type: none"> • Can you recall...? • Where is...? Who is...? • Can you list four...? • How would you describe...? • How could you explain...? • Which of these is true...? false...? <p>Showing Naming Listing Restating Finding Recognizing Choosing Matching Relating</p>	<h1>ANALYZE</h1> <p>Separate a whole into parts and determine their relationships.</p>  <ul style="list-style-type: none"> • Why do you think...? • What is the relationship...? • Can you compare...? contrast...? • What idea is relevant to...? • How would you categorize...? • What can you infer...? <p>Classifying Investigating Assessing Experimenting Weighing Discovering Simplifying Differentiating Researching</p>
<h1>UNDERSTAND</h1> <p>Construct meaning from instructional messages.</p>  <ul style="list-style-type: none"> • What is the main idea of...? • Can you find an example of...? • How would you summarize...? • What might happen next...? • How do you explain...? • What ideas or facts show...? <p>Organizing Discussing Interpreting Paraphrasing Extending Outlining Reviewing Inferring Showing</p>	<h1>EVALUATE</h1> <p>Make judgments based on criteria and standards.</p>  <ul style="list-style-type: none"> • Which is more important? • Is there a better solution to...? • Can you defend...? • What are the pros of...? cons...? • Why is... of value? • How would you feel if...? <p>Validating Debating Assessing Justifying Monitoring Prioritizing Critiquing Selecting Rating</p>
<h1>APPLY</h1> <p>Carry out or use a procedure in a given situation.</p>  <ul style="list-style-type: none"> • What would happen if...? • How could you clarify...? • Who do you think...? • Which approach would you...? • How would you use...? • What is a situation like...? <p>Practicing Choosing Planning Implementing Operating Developing Interviewing Solving Generalizing</p>	<h1>CREATE</h1> <p>Combine elements or ideas to form a new whole.</p>  <ul style="list-style-type: none"> • What is an alternative...? • Could you invent...? • Can you compose a...? • What is your theory about...? • How can you imagine...? • What could you design to...? <p>Building Combining Formulating Constructing Devising Improving Changing Adapting Producing</p>

Activity Title	Equipment	Activity Explanation	Terms Explained
Construct a paragraph Sheet 13	Scissors, glue, pencil	Instructions provided. Please note: You will not use all of the sentences, some extra are included to try and trick you!	Topic Sentence: first sentence in a paragraph that gives the main idea. The following sentences provide more information and facts about this topic.
Topic Sentences: Grandmother Sheet 12	pencil	Instruction provided	See above
Being Persuasive Sheet 1	Scissors, glue, pencil	Instructions provided. To be persuasive is to try and convince someone to believe or do something.	
The local persuader Sheet 12	Highlighter, pencil	Complete the puzzle. Read each article. This can be done independently or through shared reading with an adult, having turns reading. Highlight the words used to try and persuade us to believe their point of view or to go and buy something. Talk about if you have been persuaded. Do you have any extra arguments to add?	
Cakes or Cookies Sheet 16	-	Instructions provided. Persuasive advertisements try and convince someone to do or buy something.	<u>Modal words:</u> will, would, should, could, may, can, must, might, etc. <u>Evaluative words:</u> these words describe the effect. It can be good or bad. Eg, horrific, lovely, awful, wonderful, etc. <u>Questions:</u> use questions to make you think about your actions <u>Appeals to audience:</u> words or sentences that make the reader feel something.
Advertisement Sheet 18	-	Instructions provided. Draw your own favourite food on page 2 of task.	See above.

Advertisement

- Circle the modal verbs and adverbs you would like to use in your advertisement.

<div style="border: 2px solid #90EE90; border-radius: 15px; padding: 10px; background-color: #E0F0E0;"> <p>Low</p> <p><i>may</i></p> <p><i>could</i></p> <p><i>possibly</i></p> <p><i>perhaps</i></p> <p><i>might</i></p> <p><i>maybe</i></p> </div>	<div style="border: 2px solid #FFDAB9; border-radius: 15px; padding: 10px; background-color: #FFF2CC;"> <p>Medium</p> <p><i>would</i></p> <p><i>wouldn't</i></p> <p><i>should</i></p> <p><i>shouldn't</i></p> <p><i>probably</i></p> <p><i>can</i></p> <p><i>ought to</i></p> </div>	<div style="border: 2px solid #FFB6C1; border-radius: 15px; padding: 10px; background-color: #FFDADA;"> <p>High</p> <p><i>will</i></p> <p><i>must</i></p> <p><i>mustn't</i></p> <p><i>have to</i></p> <p><i>certainly</i></p> <p><i>shall</i></p> <p><i>has to</i></p> <p><i>need to</i></p> </div>
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- Choose two evaluative words that describe your food. Write your chosen words and food on the lines below.

delicious revolting mouth-watering
tasty yummy delightful
grand wonderful juicy disgusting
scrumptious cool awesome

For example:

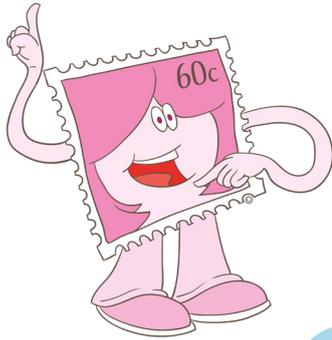
Lovely , delicious , apples
 (evaluative word) (evaluative word) (name of your food)

_____ , _____ , _____
 (evaluative word) (evaluative word) (name of your food)

- Tick the boxes to show what persuasive language features or devices you will use:

Rhyming words	Questions	Modal words

Topic sentences: Grandmother



Underline the **topic sentence** in each paragraph.

Write the **main idea** of each paragraph in your own words.



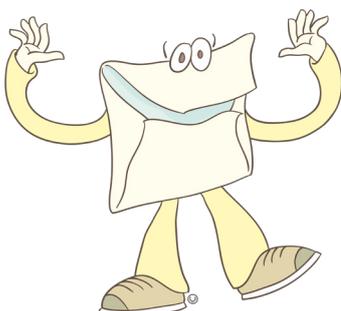
1. What is the main idea of this paragraph?

Mother is happy, 'though now that I can go to school, she is finding looking after the young ones without my help quite trying. At least I can still help her prepare dinner when I arrive home from school in the early evening.

2. What is the main idea of this paragraph?

I have been put up some levels at school, as the teacher, Miss Provost, has asked me to help her teach the young ones to read. Oh what fun we have, Grandmother, when I take them out under the peppercorn trees, and tell them the latest story dear Father has told us by the fire the night before!

3. Use a highlighter to colour the supporting sentences in each of the above paragraphs.



Remember the support sentences follow the topic sentence and **support** the main idea.

Cakes or cookies

1. Read the advertisements below and think about how these advertisements are trying to persuade the reader.
2. Look at the pictures and underline persuasive features and devices found in the text (for example, modal words, evaluative words, questions, appeals to the audience).
3. Rate the advertisements. Place ticks in the boxes beneath each advertisement to show how well you think they have used each persuasive feature or device. (1 tick = not so well; 5 ticks = very well)

Cakes & Coffee @ Crusty's Café

Do you love meeting friends in a cosy coffee shop which serves scrumptious, homemade cakes, pastries and desserts? Come to Crusty's Café where you'll love our sticky date and prune pie, our German carrot gateaux and our rich freshly brewed coffees, teas and hot chocolates. For great food, friendly attentive staff and low prices that will surprise you, come to Crusty's very soon!



<http://www.morguefile.com/archive/display/845278>

Modal words	Evaluative words	Questions	Appeals to the audience	Rhyming words



Rusvaplauke, www.flickr.com/photos/rusvaplauke/2452524102/
CC BY 2.0 creativecommons.org/licenses/by/2.

Sunny-side Health Cookies

The luscious new health food sensation! Creamy, dreamy yoghurt wrapped around delicious sweet fruit and covered in whole nuts!

What a healthy feast!

Munch them, crunch them but however you eat them, buy them in packs of six. Be cool this summer, try a hot new Sunny-side Health Cookie!

Modal words	Evaluative words	Questions	Appeals to the audience	Rhyming words

4. Think about the advertisement that you believe is the most persuasive or convincing. Complete the sentence below, explaining how the words and pictures convinced you. Give examples of the persuasive language features and devices the advertisement used.

I think the

advertisement is the most convincing because

Student name:

Lined writing area with alternating red and blue horizontal lines.

How was your student able to complete the activity?

- No assistance required Some assistance A lot of assistance Not able to do this task

Comments:

Construct a paragraph

1. Read the topic sentence provided for you in the box below.
2. Read through the jumbled sentences on page 2.
3. Cut out the sentences that are about the same idea as the topic sentence.
4. Organise the jumbled sentences to follow on from the topic sentence, supporting the main idea.
5. Read the entire paragraph checking the supporting sentences are in the right order.
6. Glue on the supporting sentences.

It is important that some people ride bikes into the city to go to work.



My favourite ice-cream flavour is peppermint chocolate chip.

Drinking water regularly is good for your body.

It's important to wear sun protection when going to the beach.

Riding bikes to work would help to reduce air pollution.

Dogs make better pets than cats.

Unlike cars, bikes don't require expensive fuel.

Porridge is a better breakfast than an energy drink.

If everybody drove a car and nobody rode a bike, the roads would
be jammed.

Also, by

riding a bike it would help people to become fit and healthy.

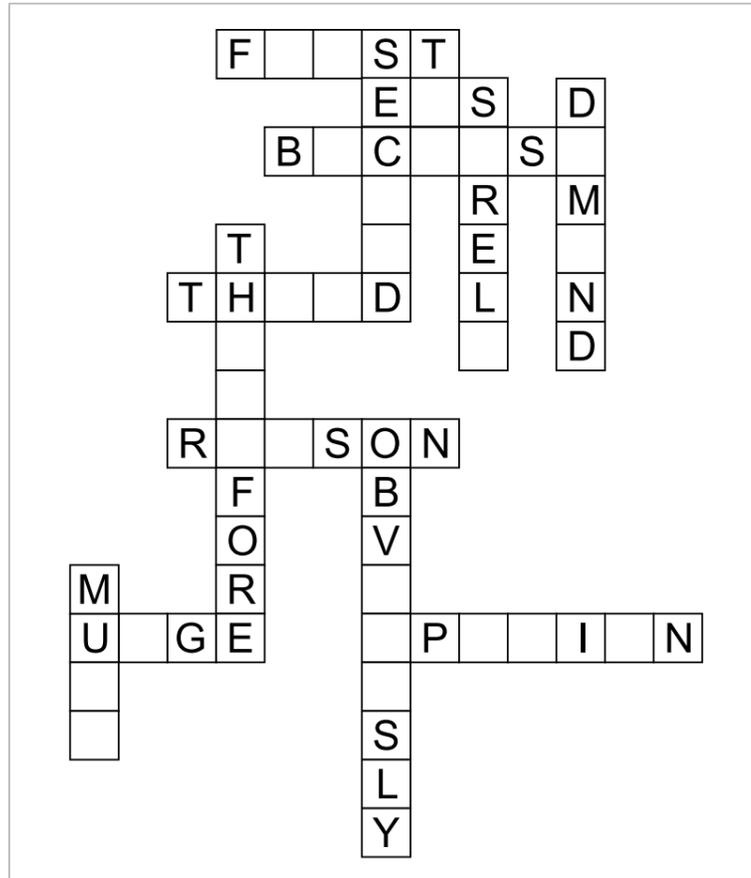
PUZZLED!

Fill in the missing letters of these persuasive words which will make your reader sit up and listen!



LIST OF WORDS

- | | |
|---------|-----------|
| THIRD | THEREFORE |
| REASON | OBVIOUSLY |
| OPINION | SECOND |
| URGE | MUST |
| FIRST | SURELY |
| BECAUSE | DEMAND |



The Local Persuader



<http://openclipart.org/detail/119389/australia-02-by-anonymous>

MONDAY 2 AUGUST 21st century Limited Edition FREE TO LOCAL RESIDENTS



ANGER AT PLANS TO CLOSE POOL

Residents demand action from Council

Ima Journo

Angry local residents have formed an action group to fight the local council, which plans to close the local swimming pool.

Pool Action Group (PAG) president Sam Swam told a public meeting yesterday that the local residents would oppose the council's plans to close the pool.

'The residents of our community definitely deserve a swimming pool which is open all year round.'

'The pool offers local residents a chance to

exercise, have family outings and mix with others.'

'It also offers our children valuable swimming lessons which, are so important for keeping them safe in the water.'

'Not least, pools give our kids a chance to get away from TV and computer games and play in a safe and fun environment.'

'Our pool must not be shut down. PAG will fight to keep our pool open.'

However, Councillor Ivana Shutpool told the meeting that the council did not have

enough money to keep the pool open.

'The pool is totally rundown, old and cracked.'

'Even if we had the funds to fix it, it needs so much work, it is not worth fixing up.'

'In its present state, the pool is extremely dangerous and a threat to our children. They could catch disease from the putrid water, or have a terrible accident if they got stuck in the huge cracks.'

'The pool must be shut down.'

Another meeting for local residents will be held in the Council Chambers at 6.00 pm on Wednesday night.



Holiday hideaway

Luxurious, beautifully presented family cabins with their own private courtyards overlook the picturesque Blue Hills valley. Perfectly situated for exploring the hills and valleys of this region and only a short stroll from the quaint, historic village of Hillview, these cabins provide stressed families with a relaxing, quiet and refreshing place to stay. Some cabins have spacious balconies to view the exquisite surroundings and all cabins have modern kitchens and bathrooms with stylish fittings.

Greta and Rudy, the owners of these cute cabins, create a warm, friendly environment in which guests can relax in comfort.

holidayhideaway@mlel.com



Photo courtesy of Hillcrest Retreat, Northern NSW www.hillcrestbb.com



LETTERS TO THE EDITOR

More playground equipment please!

Tom Greenview (aged 8)

Our local park, Green Park, really needs some playground equipment. There are a few straggly trees but their branches are too weak to climb. How can kids have an awesome time at the park if there are no swings, forts or slippery slides?

People would use the park more if there was a playground. Green Park is usually deserted. I really think that many children and their families will return to the park once they learn about the exciting new playground equipment.

New playground equipment would also bring more visitors and money to our town. Campers and tourists driving through our town would stop for lunch in Green Park if there was playground equipment there. I'm sure many of them would then buy their lunches at our shops.

Children, their families and our community would be much better off if playground equipment was provided in Green Park. It is totally obvious it is needed!

Where are the trees?

Dorothy Treed

The council must plant more trees in Green Park. I have just had an uncomfortably hot and dusty walk through our local park, Green Park. Green Park it is not! I felt like I was walking through a scorching desert!

Trees provide homes to our native birds. Galahs will probably leave this area soon if there are no trees in which they can build their nests. Planting more trees will encourage our birdlife to stay.

Large trees are wonderful for recreation. Our young children should be encouraged to visit the park more often to climb trees, meet their friends in a shady spot and run around without fear of being sunburnt.

I therefore urge our local council to plant many trees in Green Park. There will be more shade, more birdlife and more recreational pursuits if our council does the right thing.

dot_dot@mail.com

LIFESTYLE — PET PARADE

Dog rescue

Jon Goodlife

Two gorgeous pooches this week just waiting for loving families!

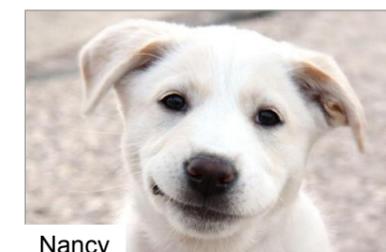
Nancy

This beautiful three-year-old girl has a stunning white colouring. Nancy is one smart young lady with a friendly and easy-going nature. She's clever, obedient and walks well on a leash.

Eager to please, all Nancy asks is for a daily walk and the chance to

curl up with you at the end of the day.

She will prove to be a loyal and adorable companion to anyone who will give her heaps of cuddles and a loving home.



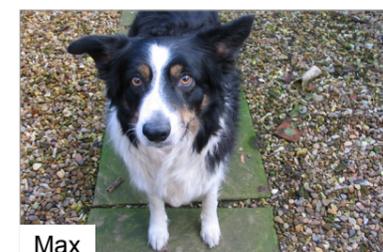
Nancy

Sam Photos8.com, Smiling dog face, http://commons.wikimedia.org/wiki/File:Smiling_Dog_Face.jpg CC BY 2.0 creativecommons.org/licenses/by/2.0/deed.en

Max

Looking for MAXimum good looks? MAXimum personality? MAXimum fun? Handsome Max is the boy for you! He's a good-natured little guy with loads of energy.

He's curious, playful and looks forward to someone taking him for a run or playing ball with him down at the park. He'll make a perfect addition to any fun-loving, active family.



Max

<http://www.morguefile.com/archive/display/44640>

Cakes & Coffee @Crusty's Café

Do you love meeting friends in a cosy coffee shop which serves scrumptious, homemade cakes, pastries and desserts? Come to Crusty's Café where you'll love our sticky date and prune pie, our German carrot gateaux and our rich freshly brewed coffees, teas and hot chocolates. For great food, friendly attentive staff and low prices that will surprise you, come to Crusty's very soon!



<http://www.morguefile.com/archive/display/845278>



Rusvaplauke, www.flickr.com/photos/rusvaplauke/2452524102/ CC BY 2.0 creativecommons.org/licenses/by/2.0/

Sunny-side Health Cookies

The luscious new health food sensation! Creamy, dreamy yoghurt wrapped around delicious sweet fruit and covered in whole nuts!

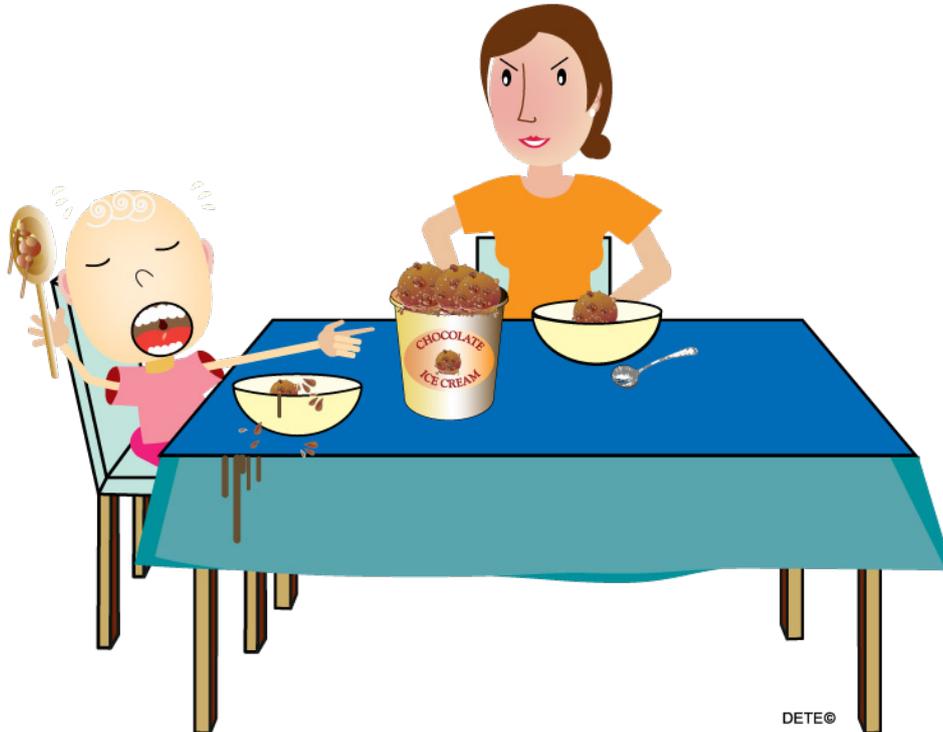
What a healthy feast!

Munch them, crunch them but however you eat them, buy them in packs of six. Be cool this summer, try a hot new Sunny-side Health Cookie!

Being persuasive

I want ... I need ... Please, please ...

1. Look at the picture.



2. Think about what the little boy could say to his mum to persuade her to let him have more ice-cream. Tell your tutor the answers to these questions:

What is happening in the picture?

What do you think the boy wants?

What do you think the little boy might be saying to his mum to persuade her that he should have more ice-cream?

What reasons might the boy give to convince his mum that he really needs more ice-cream?

Do you think the words he uses will be important in persuading her?

3. Cut out the sentences below and place them in order from the **least** persuasive to the **most** persuasive.

Note

There is no correct or incorrect answer. Place the sentences in the order that **you** find most convincing. You will be asked to explain your thoughts at the end of this activity.



Give me more ice-cream!

Could I please have some more ice-cream?

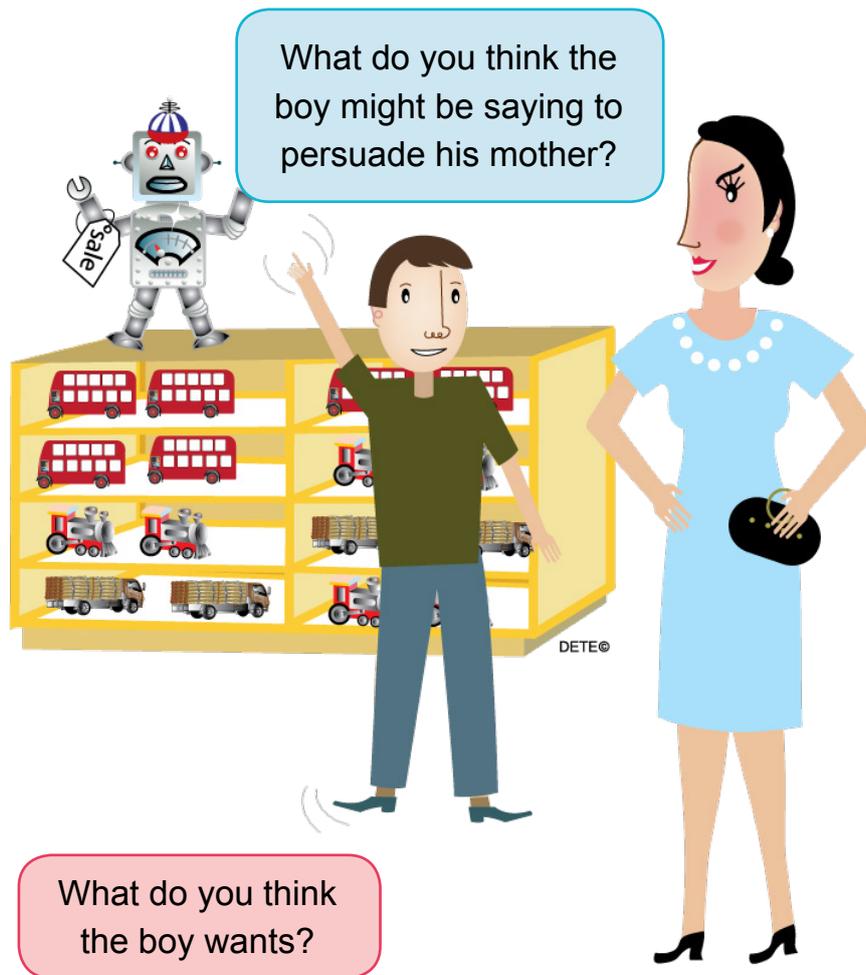
*I want some more ice-cream
because it is so yummy.*

*Could I please have some more ice-cream
because I didn't have very much before?*

I need to have more ice-cream.

*Could I please have more ice-cream as a special
treat because I have been really good all day?*

- Tell your tutor which sentences you think are the most persuasive and why. For example: *Could I please have some more ice-cream because I didn't have much before* is more convincing than *Give me more ice-cream* because it gives a **reason** why the speaker should have more.
- Look at the picture. What do you think is happening?



- Write what you would say if you were the boy.

Desert community

DESERT COMMUNITY

On the silent sandy stony desert plains
In the brilliant baking midday sunlight

I can see:

Blue sky stretching forever, kissing the distant horizon
Soaring sharp-eyed eagle, judging its prey from on high,
Faint camel spoor etched in the westerly disappearing track,
Dwarf spinifex hugging the ground, playing sun-shy.

I can feel:

Loneliness creeping up in the empty silent space
Sun's hot light-breath burning my freckled skin,
A desert rat's fear awakening, a survival race,
Biting gnats paste a nasty sore sting.

I can hear:

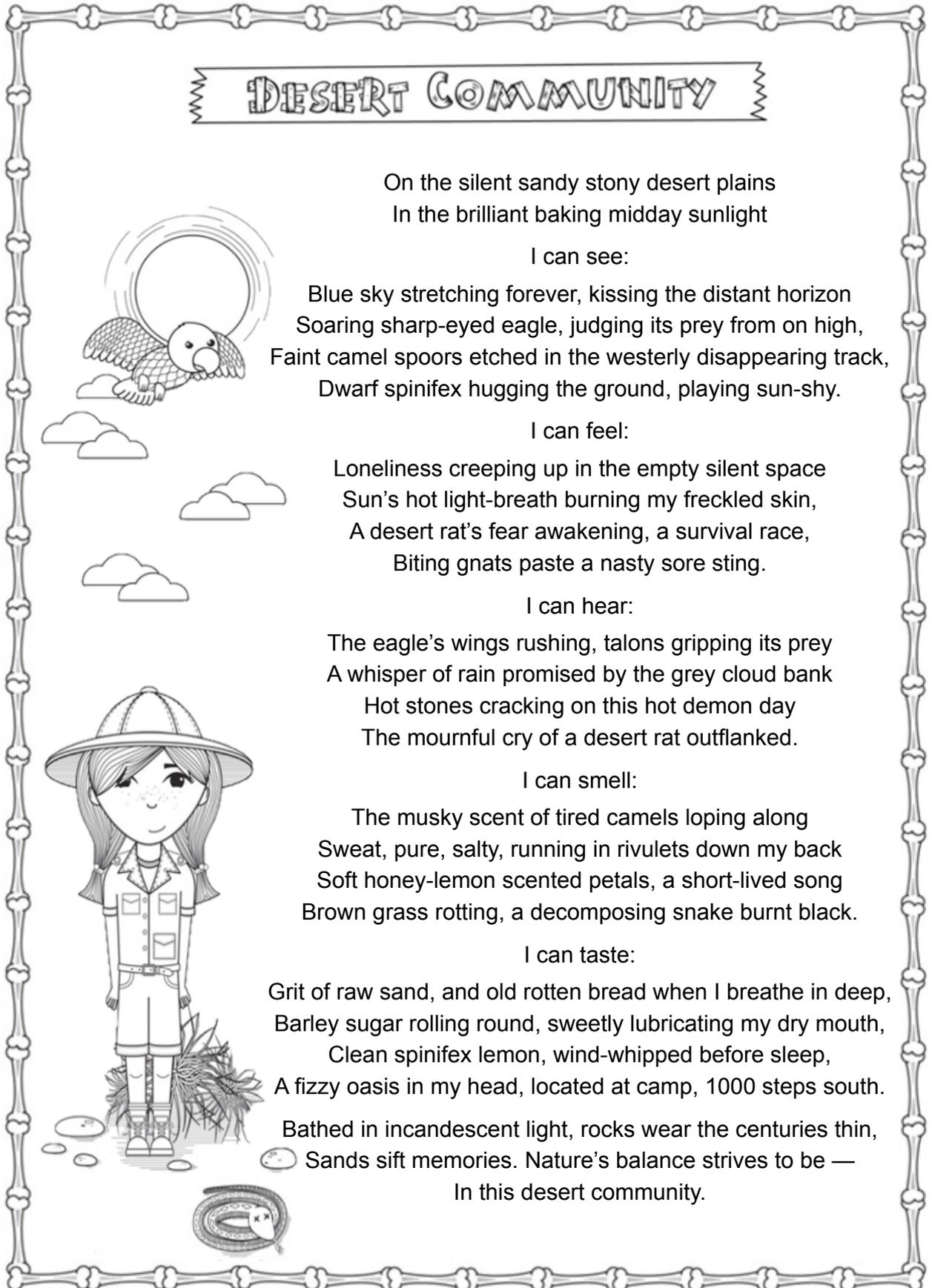
The eagle's wings rushing, talons gripping its prey
A whisper of rain promised by the grey cloud bank
Hot stones cracking on this hot demon day
The mournful cry of a desert rat outflanked.

I can smell:

The musky scent of tired camels loping along
Sweat, pure, salty, running in rivulets down my back
Soft honey-lemon scented petals, a short-lived song
Brown grass rotting, a decomposing snake burnt black.

I can taste:

Grit of raw sand, and old rotten bread when I breathe in deep,
Barley sugar rolling round, sweetly lubricating my dry mouth,
Clean spinifex lemon, wind-whipped before sleep,
A fizzy oasis in my head, located at camp, 1000 steps south.
Bathed in incandescent light, rocks wear the centuries thin,
Sands sift memories. Nature's balance strives to be —
In this desert community.



Reference: Todd, Frances, 'Desert Community'. Quotes used with permission.

Numeracy

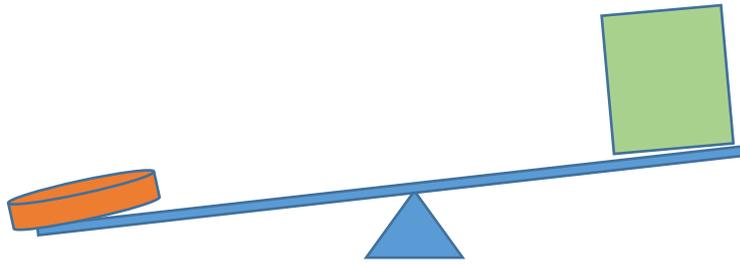
The Mathematics activities in this book support the Australian Curriculum and are targeted towards your child's year level.

How can I support my child?

Encourage them to repeat and practice their maths activities. Go through their work with them.

Think about ways that you can bring maths into real life experiences. This can be done by putting socks in pairs, setting tables, gardening, cooking and games. Count with your child, add things up, look at patterns. For example, look at the patterns in an artwork, count natural things such as shells, leaves or animals. Put different kinds of natural things into groups. Order objects by size. For example, collect rocks or bush tucker and put them into order from small to big.

Make a scale to that can find things that weigh 1 Kilogram.



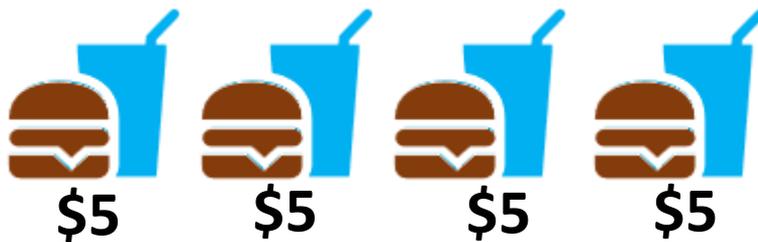
Record if things are heavier or lighter than 1 kilogram

Item	Lighter	Heavier
Book	x	

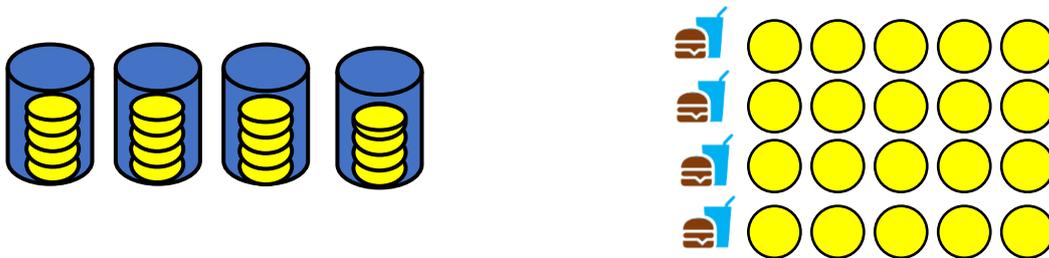
Multiplication Stories

Tell a multiplication story with words or pictures.

An example would be 4 friends bought a hamburger and drink for \$5.00 each.



Tell the same story with **cups/tins** and **seeds or lids**



Tell the story with **numbers and symbols**

$$4 \times \$5 = \$20$$

Other Ideas

- Draw a new picture and change the price or the number of items
- Stories about collecting, eating, drinking, shopping, cooking, games, sports and play

Comparing measurements

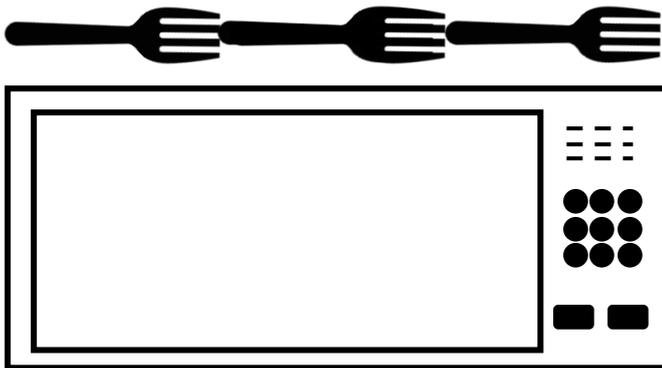
1. Find someone or something **half** your height.



2. Find someone or something **double** your height.



3. Find something **3 times as long** as a fork.



4. Make a collection of 5 objects then make another collection **double** the size.

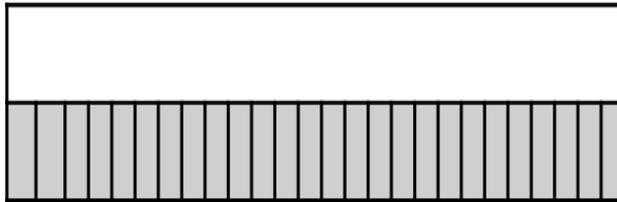
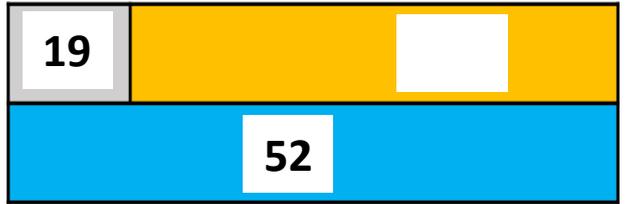
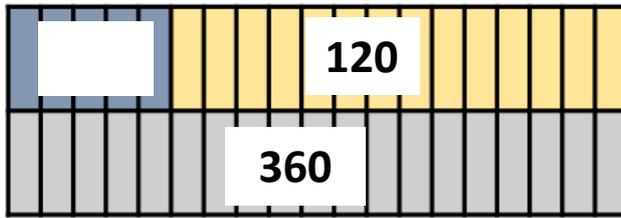
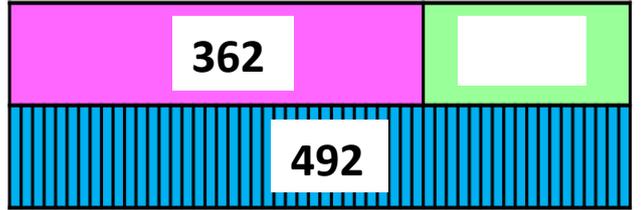
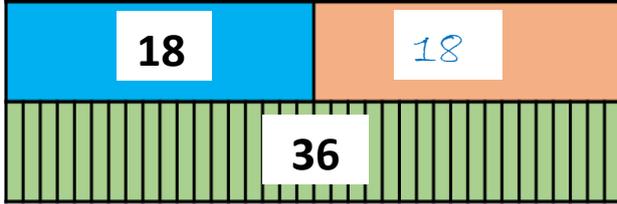
5. Record the comparison with numbers and symbols

$$10 = 2 \times 5$$

Other Ideas

- Use your arm, leg or finger instead of your height
- Use other objects to help make comparisons
- Find things twice as long, 4 times as long, 5 times as long

Numbers Bars to 1000



What is the missing number?



Days of the week



— — — day	today
— — — day	yesterday
— — — — day	tomorrow
— — — — — day	weekend
— — — — — day	weekend
— — — day	middle of the week
— — — — — day	start of the week

Student name:

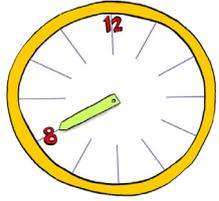
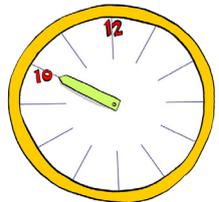


Sheet

8

Five-minute interval problems

Answer these problems about five-minute intervals. Use the clock made from **Sheet 3 — Make your own clock** to help you.

<p><i>Sandra left home when the minute hand was on the five. How many minutes past the hour did Sandra leave home?</i></p> <p><i>Sandra left home at <input type="text"/> minutes past the hour.</i></p>	
<p><i>James had to be ready for dinner by the time the minute hand reached the eight. By how many minutes to the next hour did James need to be ready?</i></p> <p><i>James needed to be ready at <input type="text"/> minutes to the next hour.</i></p>	
<p><i>The lunch bell goes when the minute hand is on the two. How many minutes past the hour is it when the lunch bell rings?</i></p> <p><i>The lunch bell rings at <input type="text"/> minutes past the hour.</i></p>	
<p><i>Georgia finished her homework when the minute hand was on the 10. At how many minutes to the next hour did Georgia finish her homework?</i></p> <p><i>Georgia finished her homework at <input type="text"/> minutes to the next hour.</i></p>	

How was your student able to complete the activity?

No assistance required

Some assistance

A lot of assistance

Not able to do this task

Comments:

Student name:

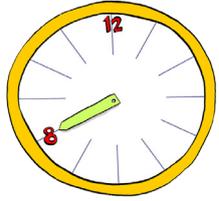
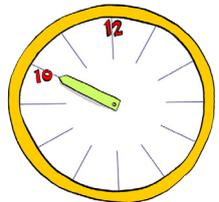


Sheet

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How was your student able to complete the activity?

No assistance required

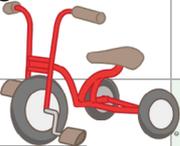
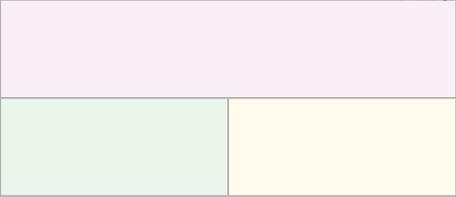
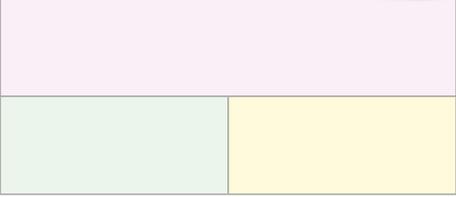
Some assistance

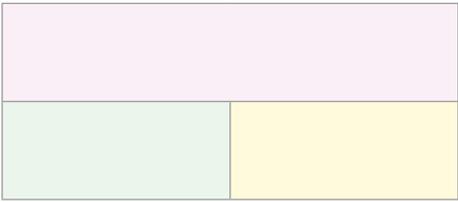
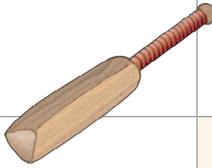
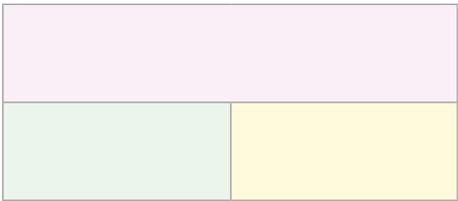
A lot of assistance

Not able to do this task

Comments:

Addition word problems

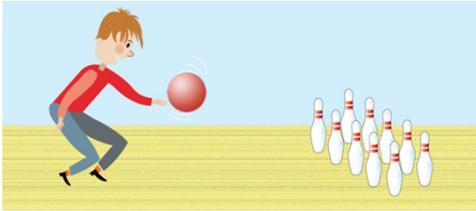
<p>1. The toy factory made 319 trikes last year. This year they have made 254. How many trikes has the toy factory made altogether?</p>	<p>Number sentence</p>
<p>Part-part-whole</p>  	<p>Drawings</p>
<p>Jottings</p>	
<p>2. Jessica went to the shops twice this week to buy groceries. The first time she spent \$278. The second time she spent \$253. How much did Jessica spend on groceries altogether?</p>	<p>Number sentence</p>
<p>Part-part-whole</p>  	<p>Drawings</p>
<p>Jottings</p>	

<p>3. While on a driving holiday, Belinda and Jake travelled 682 kilometres in the first week. On the second week they only travelled 215 kilometres. How far did Belinda and Jake travel in total on their driving holiday?</p>	<p>Number sentence</p>
<p>Part-part-whole</p>  	<p>Drawings</p>
<p>Jottings</p>	
<p>4. Blake's cricket team scored 179 in their first innings and 335 in their second innings. How many runs did they score in total?</p>	<p>Number sentence</p>
<p>Part-part-whole</p>  	<p>Drawings</p>
<p>Jottings</p>	

Addition problems (written place value strategy)

Joe scored 76 points in his first game of tenpin bowling. He scored 89 in his second game. How many points did Joe score altogether?

Number sentence

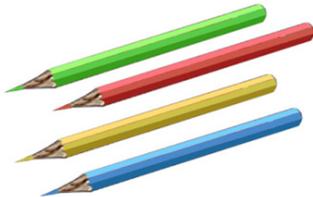


Estimate

Written place value strategy

Sarah had 24 coloured pencils. Her mum bought her another 68. How many coloured pencils did she have altogether?

Number sentence



Estimate

Written place value strategy

Everyday events

Think of **four** activities you do every day and fill in the table.

Start	Finish	Activity	Duration
6:30 am	6:45 am	eat breakfast	15 minutes

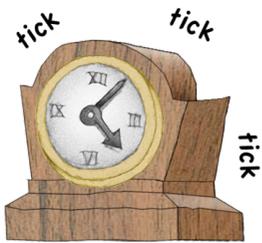


Hi, I'm Ella. I eat breakfast at **6:30 am** and finish at **6:45 am**. I worked out that I have breakfast for **15 minutes**.

Fill in the gaps

Record the missing times in the table.

Words	Words and numerals	Numerals and symbols
seven minutes past three		3:07
	21 minutes past 8 o'clock	8:21
thirty-three minutes past four		
	42 minutes past 12 o'clock	
		10:16



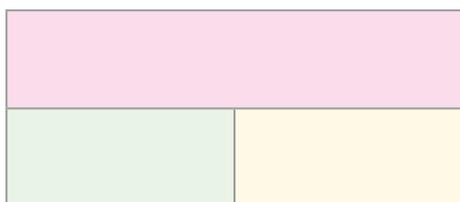
Solving word problems using a think board

1. 385 students participated in a sports carnival. 158 of the students were girls. How many boys participated?

Number sentence



Part-part-whole



Drawing

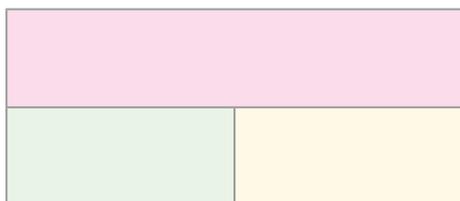
Jottings

2. 278 hot dogs were sold at the soccer on Saturday and 167 on Sunday. How many hot dogs were sold over the weekend?

Number sentence



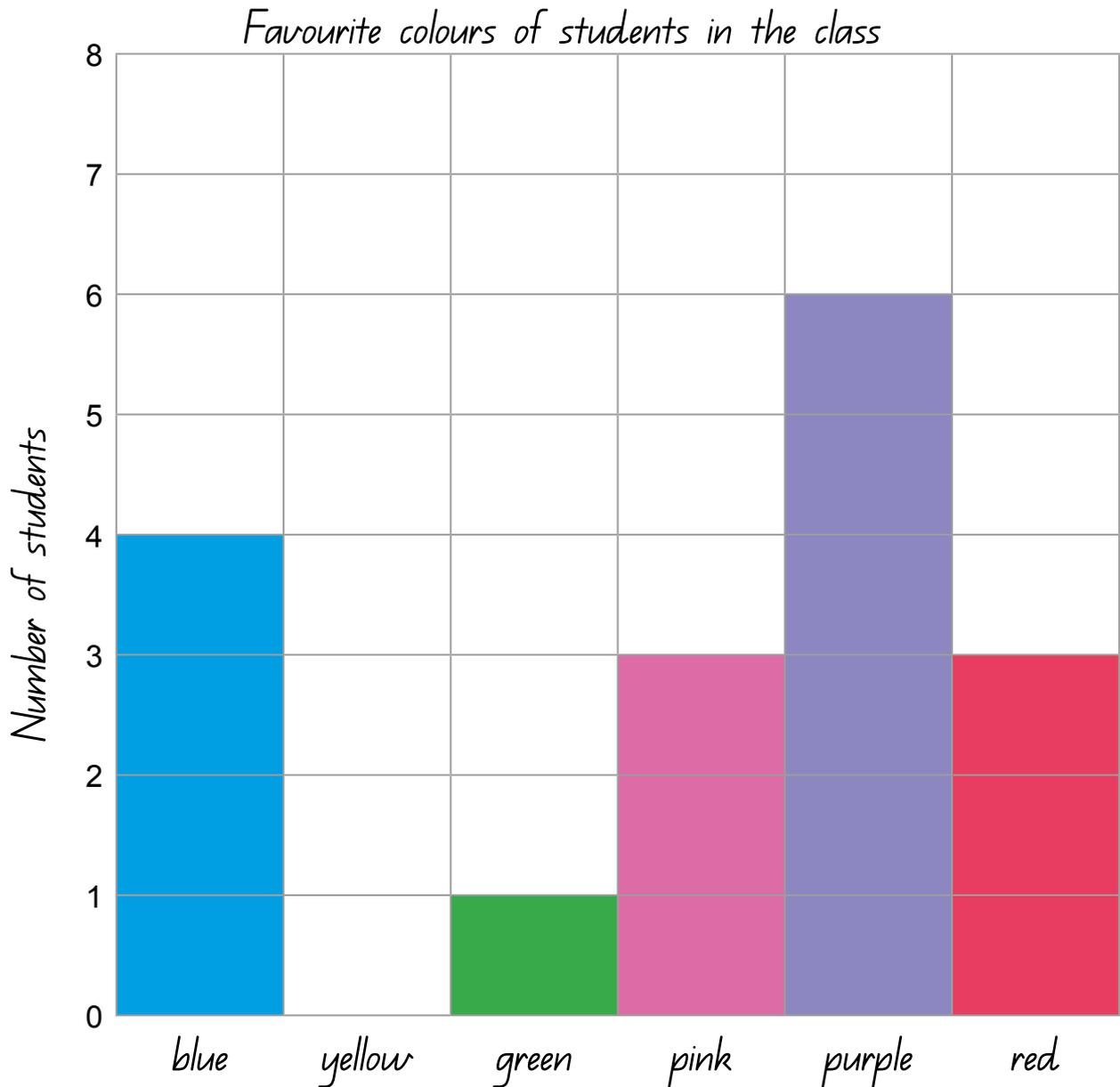
Part-part-whole



Drawing

Jottings

Colours column graph



How many students answered the guiding question? _____

What were the choices they were given?

Which choice was the most popular and how do you know this?

Which choice was the least popular and how do you know this?

Wellbeing

We want our children to grow up healthy happy and strong. This means having the chance to run free and explore the country around them. It can include traditional ways of preventing sickness and staying healthy. We encourage children to watch out for each other and keep each other safe, to eat healthy food and keep themselves clean.

The wellbeing activities in this book will help students to develop their social and emotional skills, understandings and capabilities. The topic in this book helps students to understand their personal strengths.

Why learn about personal strengths?

Character strengths are important for thinking, feeling, and behaving. Working on personal strengths helps a person and others around them.

Students learn about personal strengths so they can:

- Learn and practice using words about strengths and positive qualities. This helps them to recognise and understand strengths and positive qualities in themselves and others
- Discuss personal, social and ethical challenges. This supports them to deal positively with challenges in their own lives and in the lives of people around them.
- Promote their own wellbeing and positive behaviour.

These are the underlying principles of the strength-based approach:

- All children have strengths and abilities
- Children grow and develop from their strengths and abilities
- The problem is the problem—the child is not the problem
- When children and those around them appreciate and understand the child's strengths, then the child is better able to learn and develop.

These 5 lessons should take about 30 mins and should only be done once per week.

2020

Year Three

Module 2: Personal Strengths
Student Activity Book

Student: _____



NT Schools of the Air

NT DEPARTMENT OF EDUCATION

Getting Along

Activity One

Success Criteria

Year Three

- I described how I can help everyone to get along

Equipment

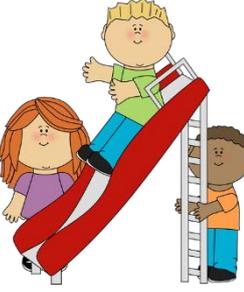
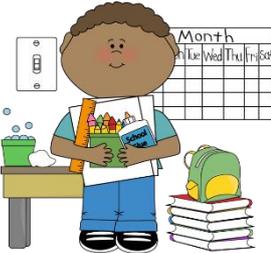
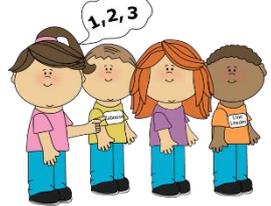
Pencil

Coloured pencils

Steps.

1. Think about how you can support everyone to get along and what you can do to:
 - a. *be friendly*
 - b. *show respect*
 - c. *work hard*
2. Read the statements in each row.
3. Rank the statement in the order from most important to least important – 1 Most Important – 10 Least Important.
4. Write your ranking in the last column.
5. Have a think about two more skills or behaviours that demonstrate taking responsibility for everyone's feeling of safety, respect and their opportunity to learn.
6. Add these in the blank rows.
7. Show your work to the people in your school room.
8. If there is time, ask everyone to rank the skills and behaviours and then compare the results with each other.

Behaviour and Skills	1 Most Important ... 10 Least Important	
	<p><i>LISTEN</i> carefully to others and be sure you understand what they are saying.</p>	
	<p><i>SHARE</i> when you have something that others would like to have.</p>	

Behaviour and Skills	1 Most Important ... 10 Least Important	
	<p>TAKE TURNS when there is something that nobody wants to do, or when more than one person wants to do the same thing.</p>	
	<p>COMPROMISE when you have a serious conflict.</p>	
	<p>DO YOUR PART the very best that you possibly can. This will inspire others to do the same.</p>	
	<p>SHOW APPRECIATION to people for what they contribute.</p>	
	<p>ENCOURAGE PEOPLE to do their best.</p>	
	<p>MAKE PEOPLE FEEL NEEDED. Working together is a lot more fun that way.</p>	
	<p>DON'T ISOLATE OR EXCLUDE ANYONE. Everybody has something valuable to offer, and nobody likes being left out.</p>	

Name:

Date:

Behaviour and Skills	1 Most Important ... 10 Least Important	
	<p><i>BE FAIR. Everyone feels better when they are treated with the kindness and respect they deserve.</i></p>	

Strength Detectives

Activity Two

Success Criteria

Year Three

- I described personal strengths and how they influence me

Equipment

Coloured pencils

Steps

Today you have learned how everyone has strengths. Do you know your strengths?

Personal Strengths Scroll

Brave Curious Fair Forgiving Friendly
 Funny Generous Hard-working Honest Kind
 Leadership Patience

1. Read the words in the personal strengths scroll.
2. Put a red circle around two or three of your strengths.
3. Read the descriptions on the next page and find the strength that matches it.
4. Select a colour pencil to shade a description and the matching strength. Use a different colour for each description and strength.
5. Choose your top strength from the scroll and write a sentence to explain how you show this strength.
6. Draw a picture of you using this strength.
7. Tell everyone one new word you learned from this activity and explain what it means.

Read the description and find a strength to match it:

Description	Strength
Doing things for others without expecting anything in return.	Brave
Deciding to do something and continuing to try even when it's challenging.	Curious
Staying in control of strong feelings, even when you feel like yelling, sulking or being mean.	Determined
Thinking of things to help the group and making suggestions about what to do.	Fair
Doing what you know is right even when you are feeling scared or nervous.	Forgiving
Sharing your belongings with others and letting them join in your games.	Funny
Sticking at things even when it is not easy or you don't feel like it.	Generous
Letting go of your anger when someone has upset you.	Hard working
Enjoying the opportunity to learn about new things.	Honest
Telling the truth even when this is not easy for you.	Kind
Making sure everyone is given a turn, and playing by the rules.	Leadership
Laughing and making other people laugh.	Self-control

Strengths at Work

Activity Three

Success Criteria

Year Three

- I identified my strengths
- I described my personal strengths and how they influence me

Equipment

Coloured pencils

Large piece of paper (optional)

Steps

Today you learned that our strengths influence what we do and how we think and behave. Your strengths are influencing what you do and the way you live your life every minute of every day.

Personal Strengths

*Brave Curious Fair Forgiving Friendly Funny Generous Honest Kind
Leadership Patience Hard working*

1. Read the list of Personal Strengths and choose two strengths that you think you use every day (hint: if you're not sure, ask the people who are with you – they will know.)
2. Talk with your home tutor about your strengths and how they help you to do your best and be your best
3. Write a couple of sentences in the space provided to explain how each of your strengths influence your actions.

Example

My strengths are being curious and honest.

One of my strengths is being curious. If my Mum tells me something, I always ask her why because I like to understand. Being curious also

Name:

Date:

means that if I see something unusual I will go to investigate what is happening.

Another of my strengths is being honest. This influences me all of the time. If my Mum asks, "Who ate the biscuits?" I have to tell her, I just can't tell a lie. I also know that I get upset if someone is not truthful with me, this must be my honesty strength influencing me.

Your Turn

4. Read the Batman and Cat Woman strength shields.
5. Create your own shield on the page provided (or if you want to make a larger shield, use a large piece of blank paper and paste a photo of your finished shield into your activity book).
6. Share your work with everyone when you are finished.
7. Tell everyone how your personal strengths influence your skills and talents.

<u>Skills & Talents</u> Exceptional vision	<u>Favourite Place</u> Underground in her catacombs. Gotham City
Cat Woman	
<u>Likes</u> Swimming and cats	

Strengths:
Leadership
Determination

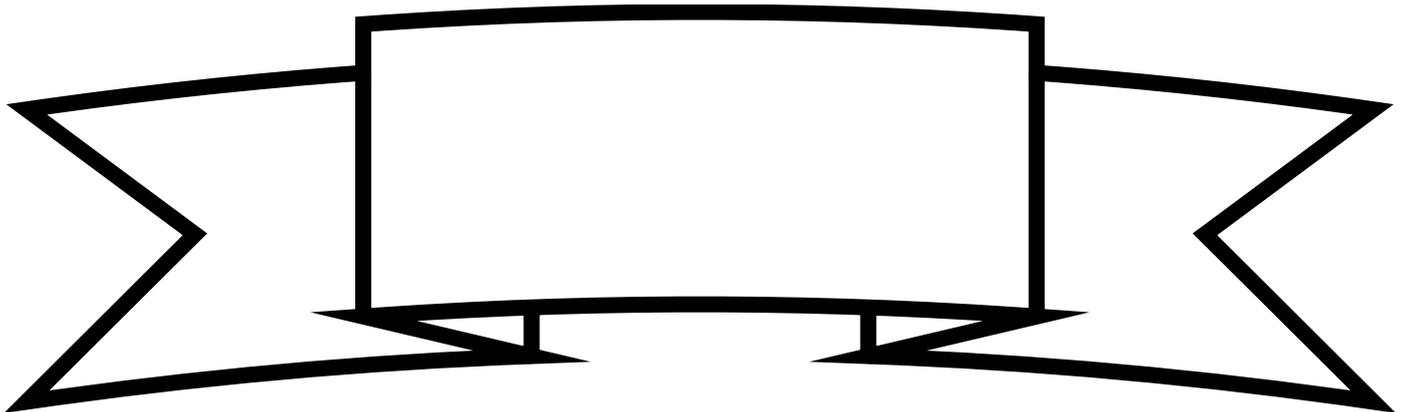
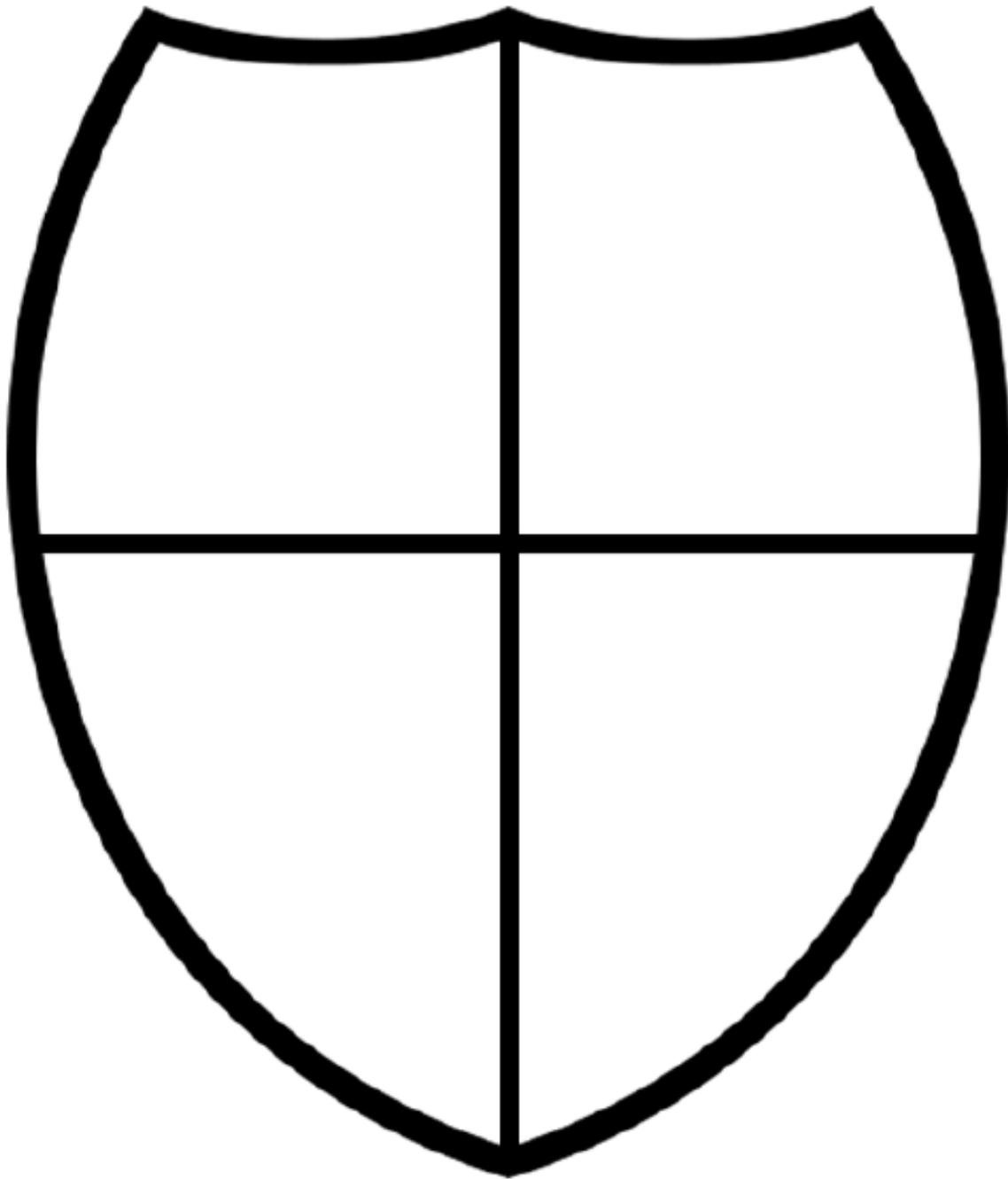
<u>Skills & Talents</u> Extraordinary will power and martial arts	<u>Favourite Place</u> His bat cave in Gotham City
Batman	
<u>Likes</u> Trying out the inventions of Wayne Enterprises	

Strengths:
Generous
Self-control

Name:

Date:

My Strengths Shield



Strengths in Action

Activity Four

Success Criteria

Year Three

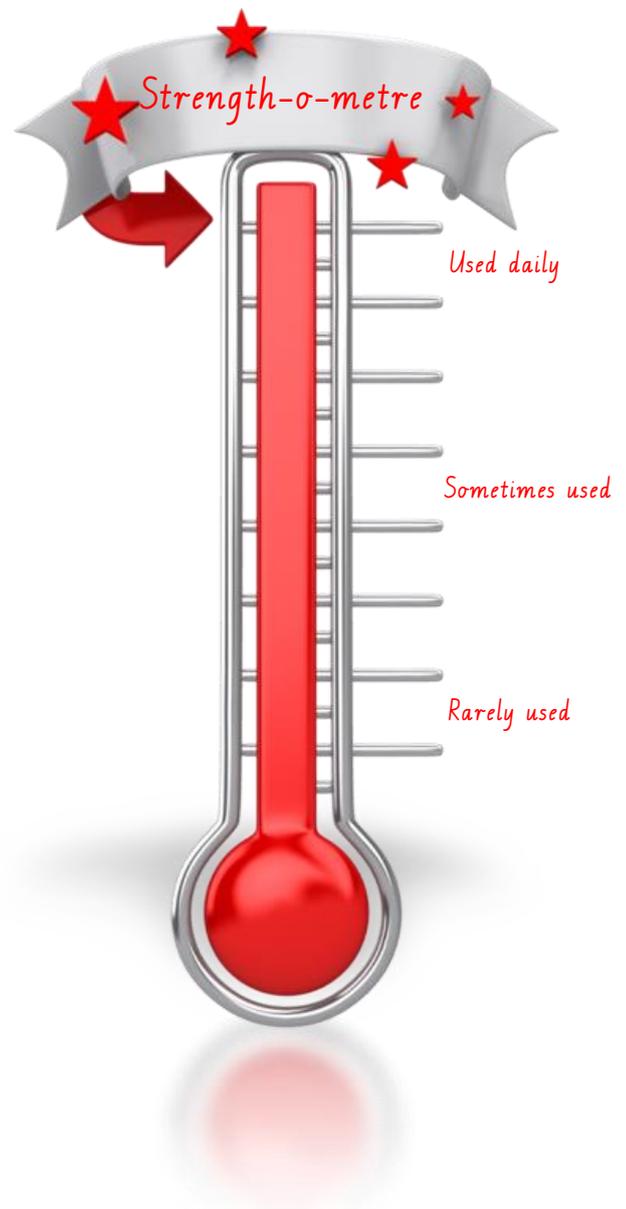
- I described personal strengths and how they influence me
- I identified some skills and strengths I wish to develop

Equipment

Coloured pencils

Steps

1. Read the list of personal strengths on the next page.
2. Choose a strength that you need to practise, rather than one you already do easily.
3. Write the name of this strength in the template.
4. Draw a picture and write a few sentences to describe two actions you could take to show this strength in action. Remember the actions you describe should also be part of your daily life.
5. Share your work with everyone when you are finished.
6. Tell them which strength you are going to focus on and explain the actions you will be taking.



Personal Strengths

Kind

I do things for others without expecting anything in return.

Determined

When I decide to do something, I keep trying even when it's challenging.

Self-control

I stay in control of my feelings, even when I feel like yelling, sulking or being mean.

Leadership

I think of things to help the group and make suggestions about what to do.

Curious

I love to learn about new things.

Honest

I tell the truth even when this is not easy for me.

Fair

I make sure everyone is given a turn, and play by the rules.

Funny

I like to laugh and to make other people laugh.

Brave

I do what I know is right even when I feel scared or nervous.

Generous

I share my belongings with others and let them join in my games.

Hard-working

I stick at things even when it is not easy or I don't feel like it.

Forgiving

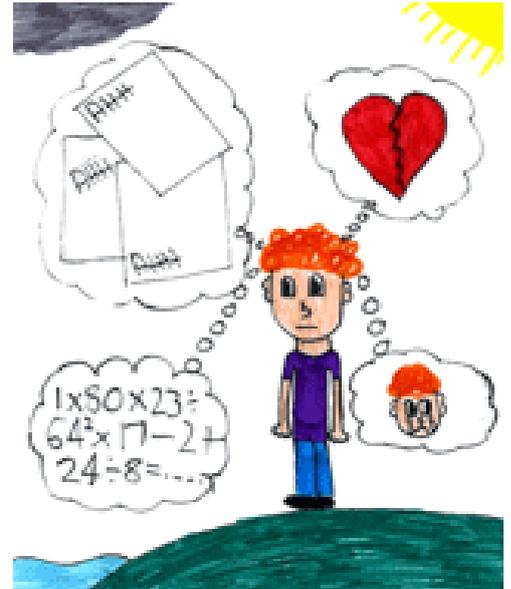
I let go of my anger when someone has upset me.

Example

I want to focus on becoming more curious.

I am going to tell my teacher/home tutor every time I don't understand.

I am going to tell myself it's okay to get something wrong, so long as I am trying.



I want to focus on controlling my strong emotions.

I am going to take three big breaths when I feel like yelling or being mean.

If I feel like saying something mean, I am going to walk away and listen to music that makes me feel good.



Your Turn

Putting My Strengths in Action

I want to focus on

Self-Assessment

Activity Five

Success Criteria

Year Three

- I reflected on what I have learned about getting along and personal strengths

Equipment

Coloured pencils / textas

Pencil

Steps

- Read the *I Statements* in the checklist and put a tick in the column that best fits you.
- On the table below, think about what you have learned about personal strengths .

I Statements ...		
	on my own	with help
<i>I described what I can do to get along with others so we can all be safe, feel respected and learn.</i>		
<i>I described my personal strengths.</i>		
<i>I gave examples of how I use my strengths in everyday life.</i>		
<i>I described some actions I can take to use my strengths.</i>		
<i>I identified a strength that I would like to develop.</i>		
<i>I understand that using my strengths helps me to be happy.</i>		



Name:

Date:

3. Do a 'Think, Share, Record' to help you form your responses to the questions:
 - a. think about what you want to say on your own
 - b. share your idea/s with someone else (e.g. home tutor, sibling, parent)
 - c. write your idea
4. Share your reflections with everyone.

What did I learn about personal strengths?

E.g. I learned that there are lots of strengths and when I use my strengths I feel happy.

What helped me to learn?

E.g. The role plays helped me to think about how I use my strengths when I am with other people.

What else do I want to know about personal strengths?

E.g. Why don't people use their strengths all of the time?



Art

This book has nine Visual Arts units for year 3-4 students to do at home. They are designed to be enjoyable and challenging. The activities draw from the Australian Curriculum Visual Arts standards and are targeted to your child's year level.

Some units link to other subject areas. For example, the Egyptian Canopic Jars link to History and Nature Art links to Science.

What materials do we need?

Most materials are readily available from Art and Craft supply stores or your newsagent. Possibly you will already have materials at home. Look around for things that you can re-use, such as fabric, boxes, plastic containers, foam trays or sponges.

We recommend that you set up an area where the student can return each day to continue the project. This might be in a study, under the house or on a spare fold up table in the living room.

How long do the units take?

The units are project based and are designed to take between 1 or 2 weeks from start to finish. The activities work best if students work in chunks of about 1 or 2 hours, but the time frame can be changed to suit your schedule. For example, students might break an activity into two blocks.

If a student is enjoying a project and wants to do more work on it this is ok. Many of the units have options to extend.

Home Learning Materials- Visual Art- 3-4

<p>Dramatic Animal Painting Choose an image of an animal that appeals to you. Consider what quality or feeling you are trying to portray. Look at what Marc Chagall did in his painting, The lion and the rat, 1926.</p>	<p>Escher Style Reflective Drawings Look at Puddle, 1952 by Escher. What are some of the contrasts evident in this work? What perspectives can you see? Draw a reflection in a shiny surface.</p>	<p>Expressive Skies In this activity students explore ideas and artworks of Impressionist painters as inspiration for the creation of their own works of art. Create your background using soft pastels from your chosen colour range on a piece of white A4 paper.</p>
<p>Chalk Mural A chalk mural outside in the fresh air. 1. tape the fence 2. draw with chalk 3. remove the tape. kids can take turns rather than crowd around the fence & do silly walks and sing songs while they're waiting for their turn.</p>	<p>Magical Masks Students can design and create their own mask 1. Think of a character or creature you would like to portray in a mask. Consider what special qualities your character might have. Are they very wise? Do they have supernatural powers?</p>	<p>Pop Art Portraits Sketch your self-portrait onto a piece of drawing paper. Which emotion will you show? How does the emotion relate to the parts of your personality you want to show? Choose colours and shapes which represent the parts of your personality you want to show and represent in your artwork.</p>
<p>Painting with Markers This technique can pair with almost any drawing assignment you or your students can dream up, Choose sections to color with any water-based marker. Then, using a brush and a small cup of water, they activate the marker pigment, causing it to run and blend similar to paint.</p>	<p>Egyptian Canopic Jars In this activity we will look at Canopic jars from Ancient Egypt. What were Canopic Jars used for? Students create their own Canopic jar design with drawing and collage.</p>	<p>Nature Art Inspired by Andy Goldsworthy Create a still life of at least three natural items found in your environment. Sketch your land art sculpture. Re-imagine the environment as a different season, climate, or planet. Sketch a portrait of your classmate and include the environment in your composition.</p>

How to Inspire Your Students with Artist Andy Goldsworthy

[Magazine](#) / How to Inspire Your Students with Artist Andy Goldsworthy

10 months ago [Jordan DeWilde](#)

Now that spring has finally sprung, consider taking your students outside to create new and exciting works of art. Switch up your routine, and get students collaborating in the great outdoors!

Simply follow the steps below to get started.



1. Reinforce the elements and principles with natural materials.

British artist, Andy Goldsworthy, is an excellent example of an artist who is not only inspired by nature but creates art using natural materials. His land art sculptures are intentionally temporary and left in their environment.

Begin by sharing images and [video](#) clips of Goldsworthy's work. Ask students to identify how the artist created lines and shapes using natural materials. Point out different examples of radial, symmetrical, and asymmetrical balance. Have students explain how the artist used contrasting colors or values to lead the eye around the artwork.

Explain Goldsworthy's process of leaving the finished work in nature. He knows his work is only temporary, later to be destroyed in its natural environment. Ask students how they feel about this quality of his work. Does the photograph become a work of art as a result? Have your students discuss this aesthetic question before creating temporary land art of their own.



2. Encourage students to collaborate to create their own land art.

Divide your students into small groups for this activity. They will act as collectors, sculptors, and photographers throughout the process. Students will need to gather materials from their environment to help demonstrate balance, contrast, line, shape, etc. They will work together to build their land art sculpture.

If you're not in an area with a variety of natural materials, consider collecting items beforehand. Take a relaxing hike and pick up potential materials for your students. Pine cones, sticks, rocks, leaves, etc. would all be useful for this project.

Once the work is complete, students may take turns photographing their creation. Provide groups with digital cameras, phones, tablets, etc. to use. If your technology options are limited, you could allow groups to use a single camera or phone under your supervision. This would be a good opportunity to discuss composition, camera angles, and light source. Ask students to think about how to best represent their sculpture in a single image.



3. Be prepared for early finishers.

You may find some groups finish this activity rather quickly, while others take a lot of time and consideration in terms of how they place their materials. For early finishers, give students a variety of creative options. Students may create another land art sculpture, work independently, or help another group complete their work. These students may find inspiration from other groups by seeing different uses of materials or construction methods.

You could also have a few sketchbooks handy for students to take advantage of their time outside to draw from nature.

Have a list of drawing prompts like:

1. Create a still life of at least three natural items found in your environment.
2. Sketch your land art sculpture.
3. Draw a landscape of the environment around you.
4. Re-imagine the environment as a different season, climate, or planet.
5. Sketch a portrait of your classmate and include the environment in your composition.



4. Allow your students to reflect on their experience in nature.

Once each group has completed their land art sculptures and photographed the work, ask them to reflect on their experience. How was using natural materials different from using traditional art supplies? Was the construction of the land art more or less important to them than the photograph?

Ask students to select their best photograph or one for each person in the group. Prepare to have these images printed for their next art class. Then, continue the class discussion on Goldsworthy, temporary art, and photography. Ask students to title their work and write an artist statement.

Final Thoughts

The printed images and student responses can make for a great art installation in your school! The activity helps students apply their understanding of the elements and principles in a new and interesting way.

Spring can be a stressful time of year, as students are anxious to be outside after the long winter. By providing an opportunity to get outside, you let them release some of that pent up energy, while still directing it toward a creative art process!

Enjoy the fresh air with your students and watch as they work together to create and photograph land art inspired by the great Andy Goldsworthy!

How do you engage students with art and nature?

Do you have any other outdoor activities to share?



[Jordan DeWilde](#)

Contributor

Jordan DeWilde currently teaches high school art in Oregon, Illinois. He strives to develop lessons with positive representations of diverse artists and issues. His mission is to encourage students' individual creativity through an inclusive curriculum.

GREAT ART IDEAS FOR PRIMARY SCHOOL TEACHERS DRAMATIC ANIMAL PAINTING

YEAR 3–6

OVERVIEW

In this activity students make and respond to depictions of animals in art, drawing ideas from other artists, artworks, animal stories and animal symbolism. They explore techniques of composition and painting to create their own dramatic animal painting. Students develop their expressive skills by creating drama and evoking a feeling in their artmaking.

LEARNING OBJECTIVES

Students will:

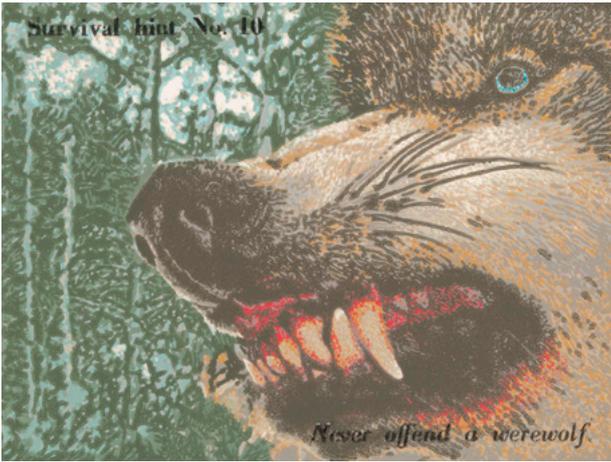
- Interpret and discuss works from the NGV Collection which depict animals to inspire their own expression of ideas and use of materials and techniques.
- Practise composition skills by using cropping and focal points to create drama, and practise painting skills by mixing colour and using brushstrokes to create texture and movement.
- Identify and explain their own expressive choices, and the influences of other artists in their artmaking.

STUDENT EXAMPLES



Created by students at an NGV workshop

RELATED ARTWORKS



Jazmina Cininas

Never offend a werewolf 2001

No. 10 from the *Lycanthropy survival hints* series 1999–2001
colour linocut and letterpress

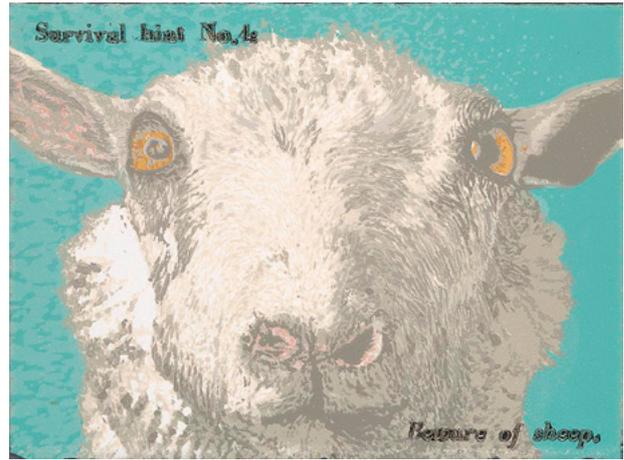
14.4 x 19.3 cm irreg. (image and sheet)

ed. 1/45

National Gallery of Victoria, Melbourne

Purchased, 2003

© Jazmina Cininas



Jazmina Cininas

Beware of sheep 2000

No. 4 from the *Lycanthropy survival hints* series 1999–2001
colour linocut and letterpress

14.4 x 19.3 cm irreg. (image and sheet)

ed. 1/20

National Gallery of Victoria, Melbourne

Purchased, 2003

© Jazmina Cininas



Marc Chagall

The lion and the rat 1926

(Le Lion et le rat)

gouache over traces of pencil

51.1 x 41.3 cm (sheet)

National Gallery of Victoria, Melbourne

Felton Bequest, 1953

© Marc Chagall/ADAGP, Paris. Licensed by Copyright Agency,
Australia



Brett Whiteley

Sacred baboon 1975

brush and ink, wood stain, watercolour, gouache and cut
printed colour illustration on cardboard

81.6 x 67.6 cm (image and sheet)

National Gallery of Victoria, Melbourne

Purchased, 1978

© Wendy Whiteley

DISCUSS

Look at the related works of art and use the following discussion prompts to explore ideas with your class:

- Which feelings does each work show or elicit? What choices did the artist make to create those feelings?
Consider the type of animal, use of colour, expression, the scale and focus of the image.
- How does our personal experience of animals change how we view the images?
Consider your exposure to animals or stories where animals play a major part. What role do the animals play?
- Animals are sometimes used by artists to represent human qualities, this is called 'anthropomorphism'. Which human qualities or characteristics are suggested in the related works?
- Which angles or views did the artist use, for example a close-up or an aerial view? Why did they use this angle?

RESOURCES & MATERIALS

- A4 sketching paper
- Black A3 cartridge paper
- Acrylic paint
- Paint brushes
- Water pots
- Palettes or trays for mixing paint
- Grey lead pencil
- Images of animals (preferably close-up)
- Viewfinders in various sizes (a square or rectangular window cut into a piece of paper)

CREATE

Students design and create their artwork following these steps:

1. Choose an image of an animal that appeals to you.
Consider what quality or feeling you are trying to portray.
2. Place a viewfinder over the image and choose a section of the image to focus your painting on.
Try zooming in on the eyes or face, or turning the viewfinder to create unusual angles for extra drama.
3. Sketch your composition onto black A3 paper with pencil.
Only sketch the part of the image which is framed by your viewfinder.
4. Paint your animal.
Start from the darkest colours and progress to the lightest. Use brushstrokes to show the direction and texture of the fur or feathers. Layer your brushstrokes to build up colour. You might like to introduce some brighter colours for dramatic effect, like Marc Chagall did in his painting The lion and the rat, 1926.
5. Allow your work to dry.
6. Mount your composition onto a larger piece of cover paper.

PRESENT & REFLECT

Students can share their portrait with a partner or the group, considering:

- Which animal did you choose and why? Which mood or feeling does your work create?
- How did you take inspiration from the works from the NGV Collection when creating your own work?
- What decisions did you make to make the composition more effective?

NGV SCHOOLS PROGRAM PARTNERS



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Chalk Mural

A chalk mural outside in the fresh air is a great idea when you have been inside for a long time. Chalk is a great way to do some street art which will be there for a few months but not forever. There are ways that you can seal your mural to make it last, if you love it a lot.

Materials:

Large chalks in as many colours as possible

Masking tape (Blue is the best)

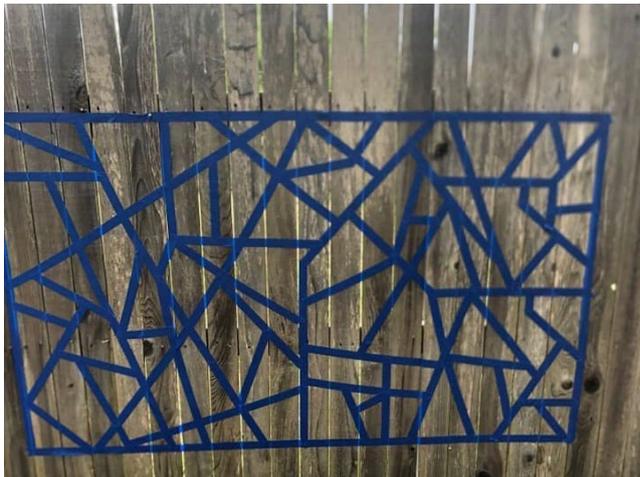
Pencils and paper for planning

Water based clear Sealant- (Buy from Bunnings)

Directions:

1. tape the fence 2. draw with chalk 3. remove the tape. kids can take turns rather than crowd around the fence & do silly walks and sing songs while they're waiting for their turn.

Step 1



Step 2



Step 3



GREAT ART IDEAS FOR PRIMARY SCHOOL TEACHERS

DRAW LIKE AN EGYPTIAN: CANOPIC JARS

YEAR 4–6

OVERVIEW

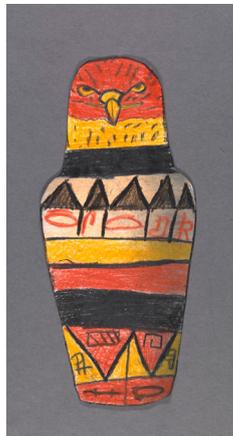
In this activity you can introduce students to canopic jars from Ancient Egypt. They will develop their knowledge of how ideas, beliefs and cultural practices are expressed through art objects, and how these objects influence other times in history. Inspired by these works, students then develop decorative motifs which communicate a message about themselves.

LEARNING OBJECTIVES

Students will:

- Describe the characteristics and purpose of canopic jars and explore how objects and symbols express Ancient Egyptian culture and beliefs.
- Research the history and culture of Ancient Egypt and compare works from a different historical and cultural context to see how ideas and techniques change over time.
- Plan and create a canopic jar design using visual conventions from Ancient Egypt as inspiration.
- Share their ideas with their classmates about the expressive choices they made in their own work.

STUDENT EXAMPLES



Produced by Robert
in an NGV workshop



Produced by Jordan
in an NGV workshop



Produced by Shaynae
in an NGV workshop



Produced by
Theofanidis
in an NGV workshop

RELATED ARTWORKS



Egypt, (Qurna, Thebes)
Canopic jar with lid representing Duamutef
Third Intermediate Period, Dynasties XXI–XXV
1069 BCE – 664 BCE
limestone
(a-b) 33.8 × 13.2 × 15.1 cm (overall)
National Gallery of Victoria, Melbourne
Presented by James E. Sherrard Esq., 1881



Wedgwood, Stoke-on-Trent, Staffordshire
(manufacturer)
Canopic vase c. 1810
stoneware (green jasper)
(a-b) 26.1 × 13.3 cm diameter (overall)
National Gallery of Victoria, Melbourne
Presented through The Art Foundation of
Victoria by Mrs Norma Deutsher, Fellow, 1993



Egypt, (Thebes)
Lid from the inner anthropoid coffin of Iret-[en]-Hor-eru 747 BCE – 600 BCE
wood, linen, gesso, pigment
21.5 × 42.5 × 70.5 cm
National Gallery of Victoria, Melbourne
Purchased, 1938

DISCUSS

Ancient Egyptians preserved the human body after death using a process called mummification. Major organs were removed and placed in special vessels called canopic jars, which were kept inside the tomb. The jars were traditionally decorated with the four sons of the god Horus: Qebehseuef (hawk head), Hapy (baboon head), Duamutef (jackal head), and Imsety (human head). They guarded the intestines, lungs, stomach and liver respectively.

The heart was left inside the body to be weighed in the afterlife to determine if the person had led a good life. The brain was thrown away as it was not considered as important as other organs. The mummified body was then placed in a series of coffins, for example the *Lid from the inner anthropoid coffin of Iret-[en]-Hor-eru, 747–600 BCE*. This coffin lid is decorated with text asking the god Osiris for sustenance in the afterlife and figures of the gods to protect the owner in the next world.

From the late eighteenth century, Egyptian art became popular in Europe. Europeans took inspiration from Egyptian canopic jars and created works such as the Wedgwood *Canopic vase, c. 1810*, which was made in England as a decorative object.

Introduce your students to the related works of art and use the following discussion prompts to explore Egyptian ideas and beliefs:

- What do you know about Egyptian beliefs, burial practices and symbols?
Research Ancient Egypt and discuss what you learn.
- Look at the Egyptian canopic jar and find some more examples online. What might these objects be for? What do they tell us about ancient Egyptian beliefs and practices?
- Look closely at the images on the coffin lid. Which animals or figures can you identify? Why do you think Egyptians included these decorations? *Notice the bands of decoration that include hieroglyphics and images.*
- How does the Wedgwood canopic vase differ from the ancient Egyptian jars? Speculate about where it may have been made and what it would be used for
Consider materials, techniques, colours and symbols.

RESOURCES & MATERIALS

- A3 cover paper – grey or buff
- A4 cartridge paper
- Canopic jar templates (draw the outline of a canopic jar onto A3 paper)
- Crayons – earth tones
- Grey lead pencils
- Scissors
- Glue

CREATE

Students create their own canopic jar design using the following steps:

1. Draw the head you have chosen on a sheet of A4 cartridge paper. *Make sure the neck is the same width as the neck of the canopic jar in the template.*
2. Decorate the body of the canopic jar on the template with bands of decoration inspired by the related works of art. *Incorporate bold pattern, areas of colour and symbols that have personal significance.*
3. Cut around the head carefully and glue it into place on the canopic jar template.
4. Colour in your canopic jar using crayons. *Use colour, pattern and tone to make sure the head and body of the jar are unified, working together as a single piece.*
5. Cut around the entire canopic jar design and glue it onto a coloured background of cover paper.

PRESENT & REFLECT

Students share their portrait with a partner:

- Which animal or creature did you choose and why?
- What symbols did you use for decoration and why?

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EXHIBITION THEMES AND IDEAS

REFLECTION

Escher produced numerous images that utilised reflective surfaces to reveal different perspectives. *Hand with reflecting sphere*, 1935, depicts a hand holding a polished sphere in which Escher himself is reflected, with his room behind him. The image is a portrait of Escher on a number of levels: the artist's hand represents his own dexterity and creativity, his reflected image shows his intensity and focus, and his living space reveals his personal domain – the world of the artist behind the image.

Puddle, 1952 depicts the reflections in a puddle on a muddy road. The footprints and tyre tracks of vehicles and bicycles in the dark mud indicate the hurried comings and goings of passing traffic, while reflected in the puddle, the full moon behind silhouetted trees shows the sublime stillness and clarity of nature.

DISCUSSION POINTS:

- Look at *Puddle*, 1952. What are some of the contrasts evident in this work? What perspectives can you see? What similes or metaphors can you think of for this work?

STUDENT TASK:

- Collect some objects that have reflective surfaces – spoons, tea pots, vessels with water, mirrors for example – and draw them as accurately as you can including the things reflected in them. You might like to start with a photograph and work from that.

M. C. Escher
Hand with reflecting sphere
(Self-portrait in spherical mirror) January 1935
lithograph
Escher Collection, Gemeentemuseum Den Haag,
The Hague, the Netherlands
© The M. C. Escher Company, the Netherlands.
All rights reserved

M. C. Escher
Puddle February 1952
colour woodcut
Escher Collection, Gemeentemuseum Den Haag,
The Hague, the Netherlands
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GREAT ART IDEAS FOR PRIMARY SCHOOL TEACHERS

EXPRESSIVE SKIES: INSPIRED BY IMPRESSIONISM

YEAR 2–4

OVERVIEW

In this activity students explore ideas and artworks of Impressionist painters as inspiration for the creation of their own works of art. They analyse how artists manipulate and apply materials and techniques to convey meanings and ideas. Students experiment with a range of media and processes and apply these approaches to create their own expressive artwork that evokes a feeling.

LEARNING OBJECTIVES

Students will:

- Compare and contrast the aesthetic qualities of the sky in Impressionist works from the NGV Collection.
- Interpret meanings and ideas expressed in representations of the sky in different paintings.
- Develop and create an expressive painting of a sky using pastels on paper and paint on acetate.
- Identify and explain their expressive choices to a partner and explain what inspired their painting.

STUDENT EXAMPLES



RELATED ARTWORKS



Claude Monet
Rough weather at Étretat (Gros Temps à Étretat)



Gustave Courbet
The wave (La Vague)



Louis Buvelot
Waterpool near Coleraine (sunset) 1869
oil on canvas
107.4 x 153 cm
National Gallery of Victoria, Melbourne
Purchased, 1870



Arthur Streeton
Evening with bathers 1888
oil on canvas
40.8 x 76.4 cm
National Gallery of Victoria, Melbourne
Bequest of Sunday Reed, 1982

DISCUSS

Look at the related works of art with students and explain that abstract art does not represent recognisable places, people or things. In abstract art, artists use elements like line, texture, colour, shape and tone to create moods and effects.

- Describe the colours in each of the works – are they bright or dull?
- Which shape families are used – are they rounded, geometric, sharp, smooth, long, thin or angular? How are the shapes used – are they layered, bunched together or spread out?
- Which mood do the shapes and colours create?
Bright colours and round shapes might make the picture look lively, friendly and happy. Shapes bunched together might make the work feel busy.
- What do the works make you think about and why? For example, they might remind you of a patchwork blanket or a busy freeway.

RESOURCES & MATERIALS

- White A4 paper
- Soft pastels
- A4 acetate
- Acrylic paint
- Brushes
- Palettes
- Clear plastic tape

CREATE

Students create an artwork which depicts the sky through the following steps:

1. Prior to artwork production, allow students time to experiment with soft pastels on paper and acrylic paint on acetate.
Blend the pastel colours together to achieve various results and aesthetic qualities. See how the acrylic paint interacts with the pastel drawing underneath.
2. Choose a mood or feeling to express in your depiction of the sky.
Will your sky be bright and radiant, or dark and gloomy? Consider what colours and techniques will best convey your chosen mood or feeling. Use the related works of art as inspiration.
3. Create your background using soft pastels from your chosen colour range on a piece of white A4 paper.
Apply the rendering and blending techniques you practised during your experimentation.
4. Place your pastel drawing underneath the acetate.
Consider what additional details you can add to your sky on this layer. For example, clouds, mist, suggestions of weather conditions, and light beams. These details should further enhance the mood or feeling in your expressive sky.
5. Apply the next layer of detail by adding acrylic paint to the acetate layer
You don't need to paint over the whole sheet. In fact, it's best to allow the pastel to show through parts of the acetate.
6. Once your painting has dried, attach the painted acetate layer to your drawing with clear tape.

PRESENT & REFLECT

Students present their expressive sky with a partner or small group:

- Describe the expressive sky you painted as a metaphor.
- What might the conditions feel like to someone underneath your sky?
- How does your choice of colour enrich the meaning in your expressive sky?
- How do the techniques you applied enrich the meaning in your expressive sky?
- Share your favourite part of the process you followed to make the artwork.

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GREAT ART IDEAS FOR PRIMARY SCHOOL TEACHERS

TITLE OF LESSON: MAGICAL MASKS

YEAR 1–4

OVERVIEW

In this activity students will explore how ideas and beliefs are expressed in objects from other cultures and times. They will explore ways in which masks can be used to represent various characters and characteristics and create a decorative mask design to communicate their own ideas.

LEARNING OBJECTIVES

Students will:

- Compare masks from different historical and cultural contexts to see how ideas and techniques are similar or different.
- Use art and objects from different cultures as inspiration to plan and create their own mask designs.
- Share their ideas with their classmates about the expressive choices they made in their own work.

STUDENT EXAMPLE



Masks – made by Clifton Hill Primary School Year 2 students in an NGV workshop

RELATED ARTWORKS



**Tolai people, East New Britain Province, New Britain,
Papua New Guinea**

Alor mask 1970s

synthetic polymer paint on wood, feathers, fibre, plant roots, cane,
polyester and cotton

(a-b) 65.2 x 39.5 x 42.7 cm (overall) (variable)

National Gallery of Victoria, Melbourne

Presented through the NGV Foundation by Todd Barlin, Governor, 2005

© Tolai people



Toby Cedara

Op Nor Beizam (Tiger shark mask) 2017

pearl shell, bamboo, twine, goose feathers, raffia

84.5 x 67.4 x 27.7 cm (variable)

National Gallery of Victoria, Melbourne

Purchased with funds donated by Loris Orthwein, 2017

© Toby Cedar/Courtesy of Umbrella Studio



Deme Hidemitsu (attributed to)
Noh mask, Ōbeshimi (17th century)

(*Nōmen Ōbeshimi* 能面 大癡見)

pigments, ground shell and animal glue on Cypress (Hinoki),
silk (thread, cord)

22.0 x 15.5 x 11.0 cm

National Gallery of Victoria, Melbourne

Purchased with funds donated by Allan Myers AO and Maria Myers AO, 2011

DISCUSS

The masks shown are made by artists from Papua New Guinea, Australia and Japan. Each mask is designed to represent a special character or qualities.

- Artist Toby Cedar comes from the Torres Strait Islands. His mask *Op Nor Beizam (Tiger shark mask)*, 2017, shows one of his totems, the tiger shark, which represents law and power. A totem is an animal assigned to a person, family or clan which each person has a duty to understand and protect. In the Torres Strait Islands, masks were traditionally worn while telling stories through songs, dancing and performance.
- The *Alor* mask, 1970s, made by the Tolai people of Papua New Guinea, is a stylised carved mask with a feather headdress. It was made to be worn by men during initiation ceremonies and cultural festivals. These masks are used to adorn special structural platforms and houses for special celebrations.
- The *Noh* mask, *Ōbeshimi* was made in Japan in the seventeenth century. *Noh* theatre is the oldest form of Japanese theatre and combines music, dance and acting. *Ōbeshimi* is used in plays featuring *tengu*, mythical demons or goblins which live deep in the mountains and have red faces, large noses, wings and supernatural powers.

Look at the related works and use the following discussion prompts to explore ideas with your class:

- When and why might the masks have been worn?
- What feeling does each mask evoke?
- What materials have been used in each one?
- What similarities and differences can you observe between the masks?

RESOURCES & MATERIALS

- Card or heavy craft paper
- Crayons
- Oil pastels
- Felt tipped pens
- Flat wooden craft sticks (20 – 30cm)
- Grey lead pencils
- Scissors
- Glue
- Feathers
- Fur
- String
- Beads

CREATE

Students can design and create their own mask using the following steps:

1. Think of a character or creature you would like to portray in a mask. Consider what special qualities your character might have.
Are they very wise? Do they have supernatural powers, like the tengu? Super vision? Super hearing? Can they fly? Are they masters of disguise? Are they scary, or very funny? How might you show these powers? Think of features like big eyes, extra eyes, wings, flippers etc.
2. Draw the design for your mask on craft paper.
The mask should be big enough to cover your face.
3. Decorate your mask using coloured felt tip pens and pencils.
Include designs and patterns that draw attention to your creature's facial features.
4. Add extra decoration using string, hair, fur or feathers.
5. Use tape to attach a stick to the back of your mask so you can hold it.
6. Give your creature a name.

PRESENT & REFLECT

Students share their mask with a partner or the group. If their mask is a dance mask, they might like to perform the dance.

- What is your creature called and what are his powers?
- What choices did you make about patterns, colours or other features?

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Painting with Markers

[Magazine](#) / [How to Stretch Your Budget by Painting with Markers](#)

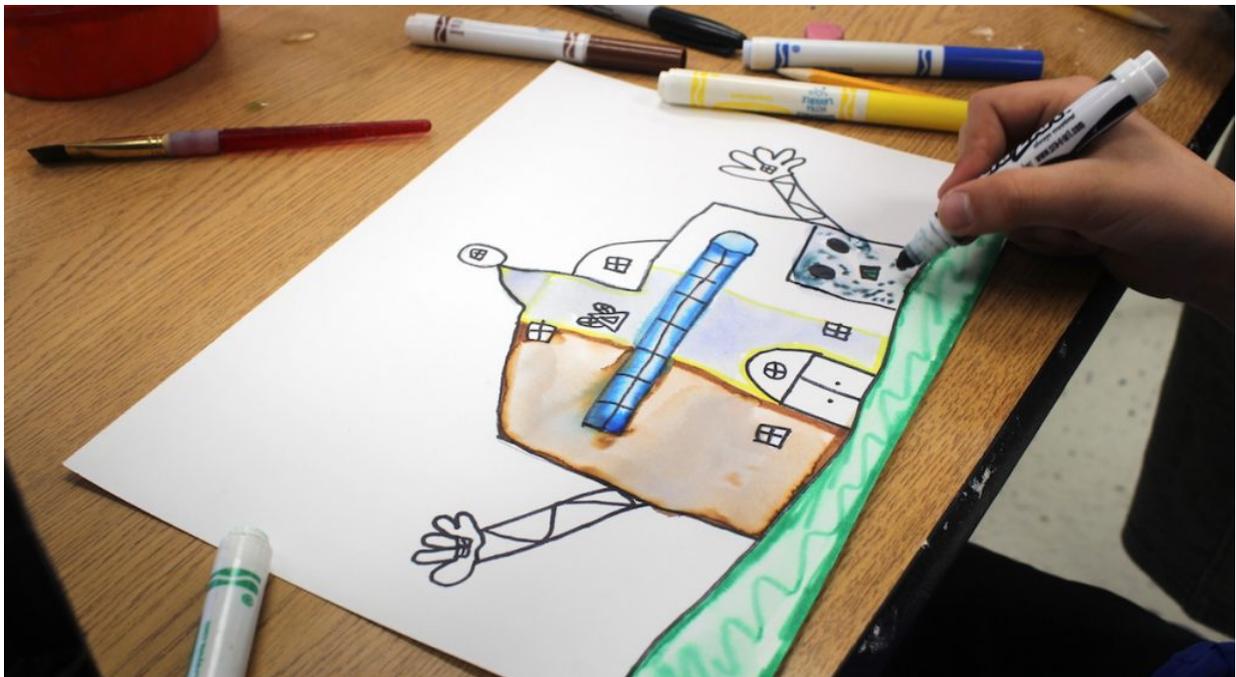
2 years ago [Lindsey Moss](#)

[0 Comments](#)

The end of the school year is rapidly approaching. If your art room is anything like mine, you are currently scraping the bottom of the barrel when it comes to supplies. Your budget is spent for the year, and you simply have to make do with what you have.

In my case, my clay is long gone, I've used a spatula on the last of the printing ink, and the watercolor pans are non-existent. Add in the "Summer is so soon!" excitement, and a supply shortage can derail your already distractible students.

Stretch your supplies with recycled marker painting!



How does it work?

This technique can pair with almost any drawing assignment you or your students can dream up, making it a perfect fit for a traditional or choice-based classroom.

Once the initial drawing is completed, students choose sections to color with any water-based marker. Then, using a brush and a small cup of water, they activate the marker pigment, causing it to run and blend similar to paint.

Students can choose to color the entire composition, or strategically color individual sections to create value, color mixing, patterning, or invent their own techniques.



Embedded Skills

While painting with markers is just plain fun, it also has lots of potential for reinforcing concepts you have been emphasizing throughout the school year.

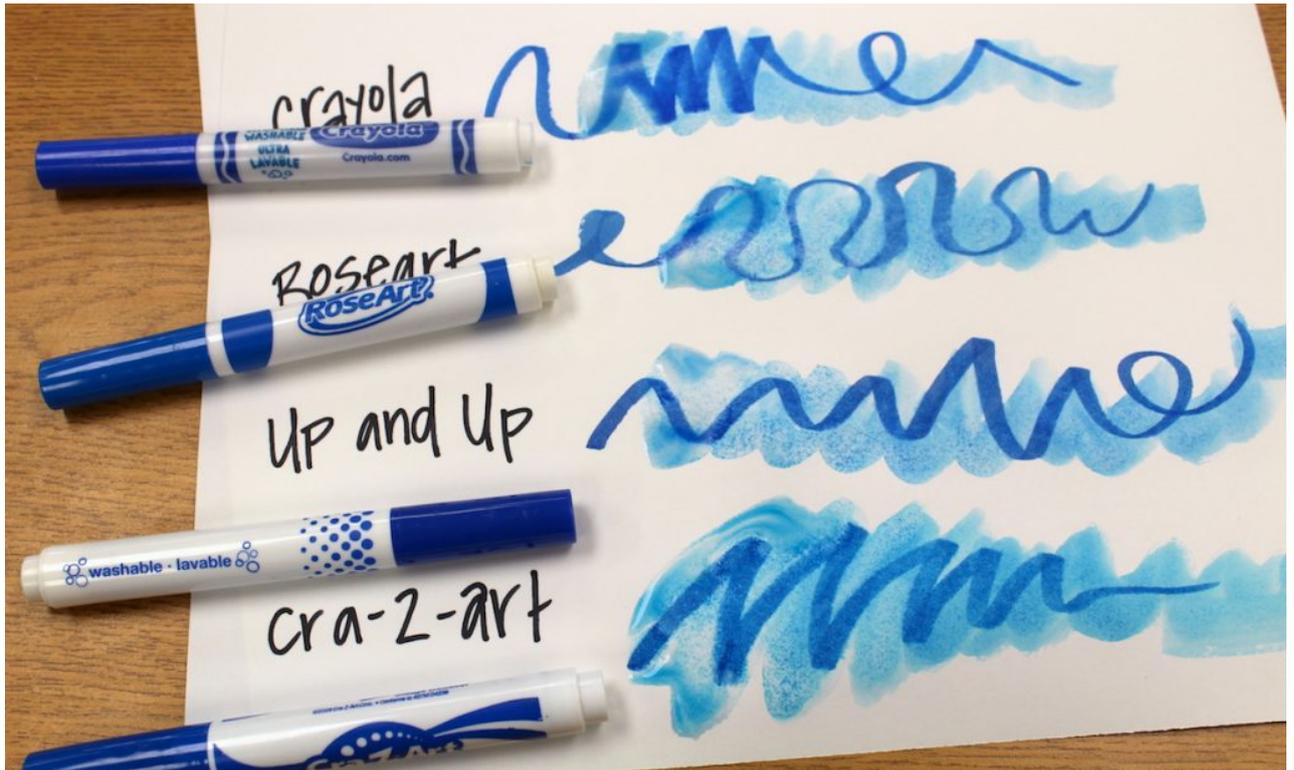
Here are 3 key ideas you can review using the marker painting technique.

- 1. The difference between water-soluble and permanent pigments**
Consider providing students with a mixture of permanent and water-soluble markers. Encourage them to experiment, and then discuss the similarities and differences. How could both types of markers be used to an artist's advantage on the same artwork?
- 2. How to create a value scale**
Demonstrate how a value scale can be produced by varying the amounts of ink and water used. Challenge your students to develop as many different values as possible, using just a single marker, brush, and cup of water.
- 3. A review of color mixing**
Help your students solidify their color mixing knowledge. Encourage them to use combinations of markers near one another. Then, mix the colors by lightly brushing water over the top of both. Be aware that sometimes marker pigments react differently than paint pigments. This fact can offer even more topics for discovery-based discussion.

3 Tips for Student Success

1. Consider using a variety of marker brands.

My classroom marker collection is the result of family donations, so my students are fortunate to have access to a variety of brands. While all water soluble marker brands work, my students developed opinions about which they prefer. Some students believed the pigments seem to separate or blend differently, depending on the type of marker. This could be great fodder for an inquiry-based STEAM lesson!



2. Recycle older markers.

Marker painting works best with free-flowing ink, but it can also be used to squeak a little extra life out of markers that are on their “last legs.” If a marker is no longer coloring efficiently and is leaving a dry, spotty mark on the paper, it can still be used for this technique! As long as SOME pigment makes it onto the paper, SOME paint will be produced.

3. Work on one section at a time.

Remind your students this process has some similarities to working with traditional watercolors. If they do not want their pigments to mix, they should strategically work on opposite portions of the artwork. This gives adjacent areas the chance to dry.



Advancing Equity for our Students

As summer approaches, art teachers are acutely aware of the disparate art experiences their students will have over the coming months. Some fortunate students can attend enriching camps and are given high-quality supplies by highly-invested parents. And, sadly, many students are from a socioeconomic situation that doesn't make summer art experiences affordable.

This is another reason why I love teaching this technique during the last days of school; it provides an art opportunity for kids who might otherwise not have one.

Almost every kid in the building has access to worn out markers they are preparing to throw away as they clean out their desk for the fall. If you teach this technique, suddenly every student has access to "paint" over the summer, just by being resourceful.

As with so many aspects of teaching, your best ideas for this technique will come from your students. Demonstration of this simple idea will take only minutes. Then, you can watch students invent and create new ways to incorporate this into their artwork. In my classroom, a resourceful second grader commented, "Hey, we could make our own paint with water books for the kindergarten classes by outlining the picture and leaving it dry!" It sounds like our next steps for this technique will be collaborative!

What techniques do you have for using up supplies at the end of the school year?

How do you stretch your supply budget during the last months of school?



[Lindsey Moss](#)

GREAT ART IDEAS FOR PRIMARY SCHOOL TEACHERS

POP ART PORTRAITS: INSPIRED BY ANDY WARHOL SELF-PORTRAIT NO. 9

YEAR 1–4

OVERVIEW

In this activity students will develop their understanding of how and why artists express ideas and meaning through self-portraits and consider the role of the viewer when engaging with artworks and interpreting meaning. They will explore the aesthetic qualities of Andy Warhol's work and use collaging and drawing techniques to produce a self-portrait inspired by the conventions of Pop Art.

LEARNING OBJECTIVES

Students will:

- Define the term 'self-portrait' and discuss why artists produce self-portraits.
- Examine an example of Pop Art portraiture by Andy Warhol and present a range of interpretations of the subject matter based on their ideas, observations and imagination.
- Use visual conventions from Pop Art portraiture in their own mixed-media self-portrait.
- reflect on and share the creative processes and expressive choices they made when creating their artwork with a classmate.

STUDENT EXAMPLE



Made by a student during a workshop at the NGV

RELATED ARTWORK



Andy Warhol

Self-portrait no. 9 1986

synthetic polymer paint and screenprint on canvas

203.5 x 203.7 cm

National Gallery of Victoria, Melbourne

Purchased through The Art Foundation of Victoria with the assistance of
the National Gallery Women's Association, Governor, 1987

© Andy Warhol/ARS, New York. Licensed by Copyright Agency, Australia

DISCUSS

The name Andy Warhol has become synonymous with Pop art, a style of art that emerged in Britain and America in the mid 1950s and culminated in the 1960s. Pop art took its inspiration from popular culture. Warhol's iconic Pop Art works include images of consumer goods such as Campbell's soup cans and Coca-Cola bottles, and portraits of celebrities such as Marilyn Monroe based on media photographs.

Although Warhol was fascinated with celebrity, and became a celebrity himself, he remained a private and mysterious person. These contradictions are evident in his *Self-portrait no. 9*, 1986. This is one of a series of self-portraits the artist made in 1986 using a photograph of himself wearing a distinctive wig. The size of this work and the strong visual contrast between the face and the background clearly focus attention on the artist's face. However, the fluorescent camouflage pattern has a concealing effect. Disembodied from the dark background, the face appears mask-like and haunting.

Look at the related work and use the following discussion prompts to explore Andy Warhol's approach to self-portraiture:

1. Self-portraits

- What is a self-portrait?
- How does a self-portrait made by an artist differ from a photograph of a person? Why might an artist want to create a self-portrait?

2. Andy Warhol's Pop Art portraiture

Andy Warhol was inspired by consumer culture and mass production, and often produced multiple versions of the same artwork. For Andy, art itself was a product. He was not very concerned with depicting the subjects of his portraits realistically. Instead, he used bright, bold colour to produce portraits that captured the attention of viewers in the same way advertisements did.

- What do you notice about this self-portrait by Andy Warhol? Why do you think the artist chose to present himself in this way?
Consider the way the artists hair is styled, his expression and the focus on his face with no body visible.
- Which colours and shapes can you see in the work? Why do you think the artist chose these colours and shapes for his self-portrait?
Consider the black background, camouflage patterning and fluorescent colours.
- What kind of personality do you think Andy Warhol had? What makes you think this?
- Which colours and shapes would you use to create a self-portrait inspired by Andy Warhol?

RESOURCES & MATERIALS

- White A4 paper
- Coloured paper
- Scissors
- Glue
- Drawing paper
- Graphite pencil
- A4 acetate
- Permanent black markers
- Tape
- Black paper

CREATE

Students design and create their artwork through the following steps:

1. Cut out various shapes from pieces of different coloured paper for the colourful background of your Pop Art portrait.
Choose colours and shapes which represent the parts of your personality you want to show and represent in your artwork.
2. Arrange the shapes onto plain A4 paper.
3. When you are happy with your arrangement, glue the coloured shapes down and set your background aside.
4. Sketch your self-portrait onto a piece of drawing paper.
Which emotion will you show? How does the emotion relate to the parts of your personality you want to show?
Consider the size of your drawing – your self-portrait should fit nicely over your collaged background.
5. When you are happy with your sketch, trace the outline of your drawing on A4 acetate with a permanent black marker.
6. Position the acetate over your coloured background and tape it in place.
7. Next, create a frame for your self-portrait:
 - Cut around the self-portrait sketch you did on drawing paper.
 - Place this in the middle of a sheet of black paper and draw around it
 - Carefully cut the shape of your face out of the middle of the black paper. This will be the frame for your artwork.
8. Tape the frame over the top of your self-portrait to finish your artwork.

PRESENT & REFLECT

Students show their self-portrait to a partner and explain:

- Which colours and shapes did you choose for your self-portrait and why did you choose them?
- Which part of the activity was the most enjoyable?
- Describe your self-portrait in one word.
- How did Andy Warhol's self-portrait inspire the creation of your own self-portrait?

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Six Inexpensive Sculpture Ideas to Start the Year

[Magazine](#) / Six Inexpensive Sculpture Ideas to Start the Year

6 years ago [Timothy Bogatz](#)

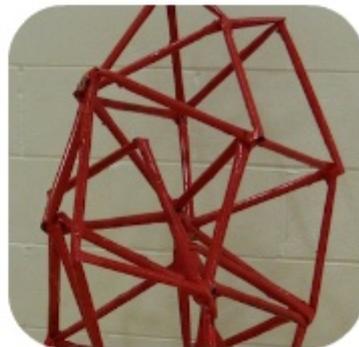
[0 Comments](#)

In a time where budgets are seemingly always being cut, many of us are looking for ideas that won't slice into the precious few dollars we have available. So, if you're waiting on your budget money to come in, or if you don't have a budget at all, here are six sculpture ideas you can use to create some great projects without spending a lot of money.

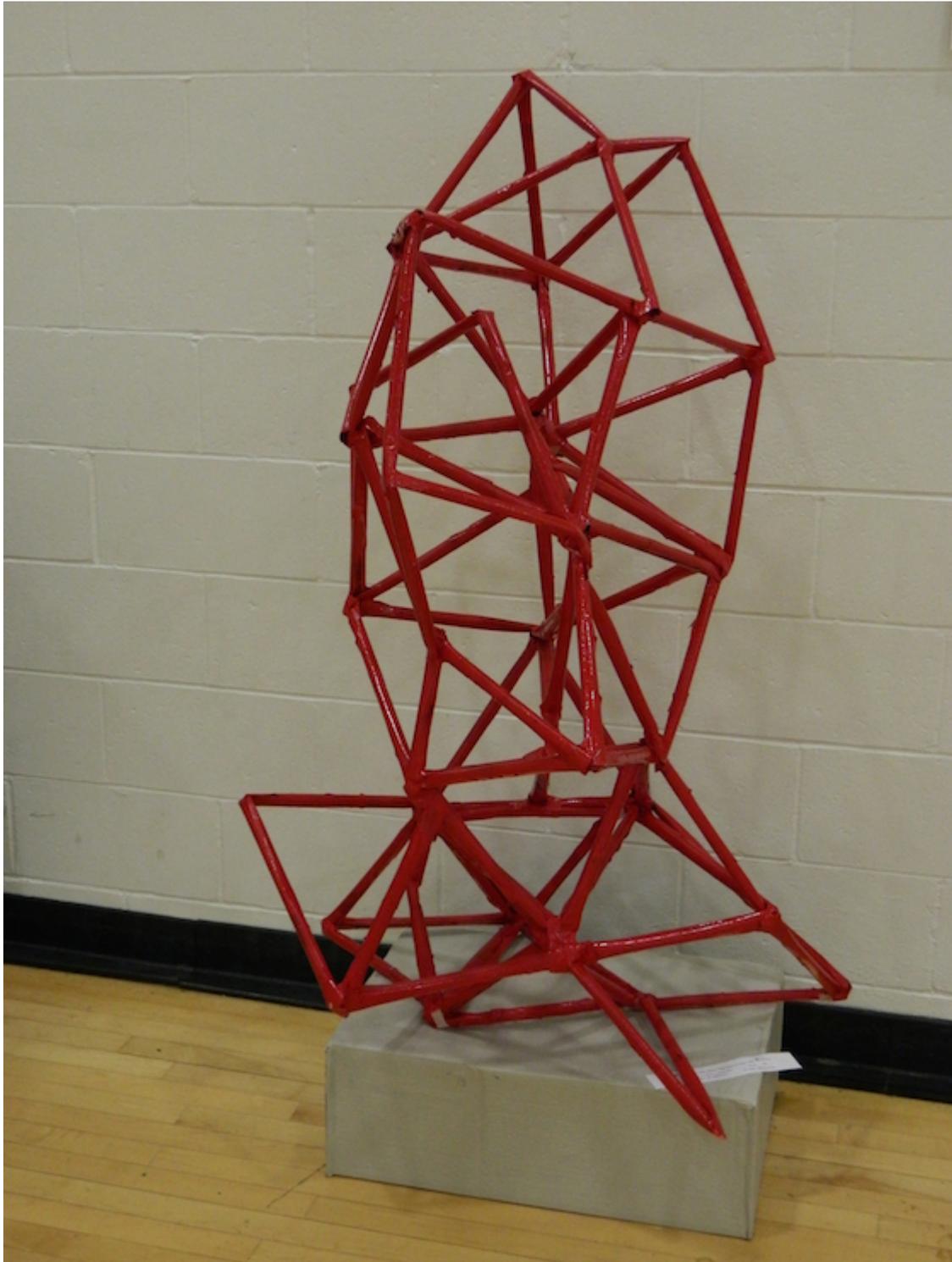


6 Inexpensive
Sculpture Ideas
to Start the Year

www.theartofed.com



Geometric Newspaper Sculpture



Materials Needed: Newspaper, Tape, Spray Paint (optional)

Newspaper is almost always easy to come across, and this lesson is always easy to present. We use rolled up newspaper, taped into small geometric shapes. Those geometric shapes are then combined and stacked to make a sculpture as tall as the person making it. If you've got some spray paint lying around, go for it, but these can look just fine au naturel. I generally have students focus on a piece that is stable, looks good from all viewpoints, and accentuates the geometric aspects of the sculpture. (Tip: Triangles and pyramids are much more structurally sound than squares, rectangles, or cubes.)

Oaktag Sculpture



Materials Needed: Oaktag or similar material, Glue or Tape, Paint (optional)

You can use oaktag (tagboard), chipboard if you can find it, or even watercolor paper if it is thick enough. We begin with two squares taped or glued together in an 'L' shape for the base. Students add strips of different lengths, focusing on creating nonrepresentational sculptures featuring movement. Again, spray paint (or even acrylic) can enhance the look, but the sculpture itself can be successful with or without that addition.

Altered Books



Materials Needed: Old/Discarded Books from your Library or Thrift Store, Scissors/Exacto Knives, Glue

There are a million ways to do altered books, and a myriad of artists from which to draw inspiration. For the project to be truly sculptural, however, the pages need to be used to create three-dimensional forms. Two-dimensional aspects can be utilized, of course, but in this example the pages being formed into flowers are enough once the Barbie is added. If students are having trouble figuring out how to alter pages, a list of prompts and possibilities can be helpful, as can a few extra books with which they can experiment.

Found Object Sculpture

Materials Needed: Anything Your Students Can Get Their Hands On

We start with, well, whatever is around. I show my students work from [BartVargas](#)—a nationally known artist from my hometown of Omaha—and it gets them up and running with ideas. Between the limitless options with both materials and subject matter, this project can take on so many different shapes and forms. It's very open-ended, so you could finish with just about anything once your students get their hands on the materials. If your students need some specific direction, animals and insects can be good places to start. We had, for example, a six foot long snake—coiled and ready to strike—made of Mountain Dew cans and hundreds of pieces of plastic silverware “borrowed” from the cafeteria.

Everyday Cardboard Items



Materials Needed: Cardboard, Glue, Paint (optional)

This is a great problem-solving exercise, because kids know what they need to make—and exactly how it should look—if their subject is a familiar object. All they have to figure out is how to get their work to that point using cardboard and glue. [Claes Oldenburg](#) is the obvious art history tie-in, and this project is a good challenge when you [play with scale](#) like he does. A contemporary artist creating these types of sculptures is [Bartek Elsner](#), and my kids love seeing his work as well. Huge nail clippers, toothbrushes, or cameras can be really cool, as are small scale bikes and cars. If you want to avoid giant projects that take over your room, objects simply done to normal sizes, like the purse seen here, are always successful.

Functional Cardboard Furniture



Materials Needed: Cardboard, Glue or Hot Glue, Packing Tape

This is probably the most difficult of the six projects, and the most time consuming. We spend a lot of time talking about and experimenting with structure. I like to tell the story about my college days and having to build a box out of matboard that someone could stand on, just so students have an idea of the amount of work needed to make these pieces functional. After the strength of the structure is figured out—be it table, chair, couch, or otherwise—exterior treatment and aesthetics concerns are dealt with to finish off the project. If the project is done well enough, you may just have a cardboard couch that's still in your art room four years after the fact :)

With these six projects up your sleeve, you'll be well on your way to getting your students the 3D experiences they deserve, no matter what your budget looks like.

Tell us, what ideas could you add to the list?

How do you push students with non-traditional materials?



[Timothy Bogatz](#)

Humanities and Social Sciences (HASS)

What is HASS?

HASS stands for Humanities and Social Sciences. This learning area includes subjects like history, geography and civics and citizenship. It is a good learning area to discuss with your child because it links to the people, places and governments that shape our lives.

There are 10 HASS activities in this book. Each one has:

- Title – to give you an idea of what it might be about.
- Conversation starter – some questions to guide you when you start.
- Activities you can choose from and/or change.
- Definitions that explain important concepts.

Students can do the activities in many different ways. Mix and match them to suit your child's interests or needs.

How do I support my child?

Read through the Conversation Starter questions with your child. It will help them if you talk about the activity before they get started, to help them think about the question. Help them to choose which activities they want to do.

Then children can work independently.

Get together with them again once they have worked through the activity so that they can discuss their thinking with you.

What resources do we need?

The activities are designed to be completed without textbooks or the internet. Of course, if you have other resources they will add to the experience for your child. The internet is a wonderful resource, as are books - pull out your atlas, maps and any reference books that you have at home.

People are a wonderful resource as well, especially older family members who have experienced a rich life and have lived through major events.

1. Events and Memories

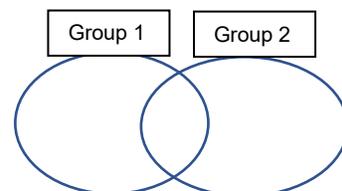
What do you need? Find some family photos or use your memory and think about these questions:

- How does your family remember important memories and events? (e.g. birthdays, anniversaries, holidays, celebrations)
 - How does your community remember important memories and events (e.g. holidays, anniversaries, Glenti, Easter, NAIDOC Week, Territory Day, Ramadan)
- What is the same about family and community celebrations?
- **Talk** and **share** with someone or choose one of your events to draw and write about.
- You could **interview** someone or **research** to find out more about why the event is special.

2. Where do I belong?

- What does 'belong' mean?
- **Draw** a picture of your family or a group you belong to.
- Discuss which other groups you belong to:
 - Who are you friends with?
 - Who makes up your family?
 - What sports or other groups are you in? eg school, band, sports team, language, church
 - Describe one group you belong to: what do they look like, what do they do, why are you in this group, is this group important and why? (Children can **talk**, **write** or **draw**)
- How do you or others know who is in your group? eg uniforms, chants, flags, meeting place
- What is a tradition? eg having special food on your birthday
- What are some of the things that you/your family or groups have as traditions?
- What are some of the things your group does together? Are there things you do every time you meet/come together? eg sing special songs, wear special clothes
- What is the same or different about some of the groups you are in?
- **Draw** a T chart and **write** what is the same/different using a T chart

Similarities	Differences
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- or **draw** a Venn diagram with 'what is the same' in the overlapping sections and 'what is different' in the outside sections

3. Waste

What do you need? Empty a rubbish bin carefully onto a big plastic bag outside.

- What is waste?
- What groups could you sort your rubbish into?
- What are the main types of waste in your home?
- Is there good waste and bad waste? Why?

Draw or write a list of the waste you have, **and** what you found out about the waste in your home. If you have a camera take some photos.

- Describe the journey one piece of waste has taken before ending up in the bin.
- What happens to the kitchen waste? Are there other places in the home where waste comes from?
- Does my household – recycle, reduce, reuse and compost the waste? What other ways do we use to get rid of the waste?
- What is one small change I can make or my family can make to reduce waste?

(**Make a plan** to reduce, reuse or recycle different waste from your home. Start small. This could be a plan for a making a compost bin, setting up a worm farm, getting a container to collect aluminium cans...)

4. Exploring my place

- What does the inside or outside my home look like? How many rooms? How many levels does my home have?

(**Draw** an inside or outside sketch map of where you live. **Label** your favourite areas on your map or plan. **Tell someone** why they are your favourite places.)

- **Write** some directions for a visitor on how to get to your home.
- Explain to the visitor how to get from one place in the house to another, eg from the kitchen to the bedroom. Try out your directions on someone, who has their eyes covered.
- Did the directions work? If not, make changes. If so, make a new set of directions.

5. My Ideal Island

What do you need? Find a picture of a map with islands on it or imagine your own.

- What is an island?
- What would your ideal island look like? What activities would you be able to do there? What would make it a great place to go?

(**Make a list** of your favourite things to do, eg fishing, bushwalking, shopping, astronomy, movies, skatepark. **Draw** a map of your island on paper. **Think about** the shape and size. Put your favourite places on your map.)

- What is so good about your island?

(**Write** an advertisement to persuade someone to visit your ideal island.)

6. Territory Traveller

What do you need? Find a tourist brochure or advertisement for somewhere in the Territory. Your imagination. Parent description.

- Have you been on a recent trip in the Territory or somewhere in Australia? Has someone you know been on a trip and shared their stories?

(Talk about where you or they have been and **share some stories** about what you or they did and what happened.)

- What did you like the most and least about the trip? What was a memorable moment or funny story from this trip? **OR**
- If you could go on a trip to anywhere in the Territory, where would you go and what would you like to experience? eg catch a big fish, have a sunset picnic, skate on ice

(Write a story or create a cartoon with words about a memorable moment/funny story.

{E.g. 1 - The time we went camping at Daly River and we thought we had put out the camp fire. All of a sudden when we were fast asleep it came back to life and all we could see through the tent was a huge yellow/orange glow. What a heart starter that was. E.g. 2 – The time my friend went to the boat ramp, backed the boat down and remembered he forgot to put the bungs in! Never seen him run so fast.}

- Do you remember all the places you have been to in the Territory?

(Draw a map of the Territory, showing where you have been. Give your map a title. Write a memory/or tell someone what they could do there at each place you have been. Or **Design** a travel brochure/poster showing why this is a great place to visit.)

7. Commemoration

- What does commemoration mean?
- Why do we commemorate as a community, school or family?
- How do we (community, family, you) commemorate significant events such as the Bombing of Darwin Day, Anzac Day and Remembrance Day? (or other events from history that your family believe are significant) eg sometimes we have a public holiday.

(Write down some ways we commemorate, eg we wear poppies, rosemary sprigs, wattle flowers, stand silent for a minute, fly flags)

- How do you and your family commemorate a special day or person from history?

(Design and draw a symbol for a commemoration, eg a poppy **OR Plan** a ceremony of commemoration for you and your family.)

8. Flags and Emblems

What do you need? Find some pictures of flags and/or look at the Australian emblem on a 50c coin or other coin. Your memory or parent description.

- **Conversation starters:** Why are flags/emblems important? What message do they give you about the people who have them? Where have you seen different flags/emblems? (Sometimes emblems are on flags).

(Write down where you saw the flags/emblems, eg footy team emblems on the shirts, Tell someone what they looked like, eg colours, shapes, designs, size.)

- What would be the best design for a community or your own flag/emblem? What colours or images would you use? Why?

(**Design** and **draw** a flag or emblem. Pick if it will be for the community/home/yours. **Tell someone** the important things about your flag/emblem.)

9 Trivial Pursuit

What do you need? Find a Trivial Pursuit game and look at some questions or you design a new game.

- **Conversation starter:** What do you remember about places you have been?
- What are facts?

(**Write** down as many facts/answers about places. **Write** a question for each fact. You can **make** little question and answer cards. e.g. 1. **Fact** - Katherine River, **Question:** Which river runs through Katherine Gorge?; 2. **Fact** – Uluru, **Question:** What is the name of the biggest rock in Australia?)

- Can someone else help you with facts/questions? Think about how many is enough.
- Find out how to play Trivial Pursuit.
- You could also write the name of the fact on paper. Place above the head. Then you use questions/guesses to find out what it is. Just like celebrity head.

(Time to play trivial pursuit with the family.)

10. Memory Game

- **Conversation starter:** What places have you visited and what are their names? Do you know something about them?

(**Preparing to play** - **Write** down names of places, twice, on small squares of paper, so you have two pieces of paper the same OR make up your own theme such as footy emblems, or animal names – as long as you end up with lots of pairs of cards/paper squares that match.)

Mix your cards up.

(**Playing** - **Put** each card upside down on the table/floor. **Find** your matching pairs by turning two at a time. If no match, turn back over. Try again. Good luck.)

Science

This book has Primary school level science activities for your child. The activities draw from the Australian Curriculum Science standards.

How can I support my child?

Science is all about exploring the world around us - observing, asking questions and seeking explanations. It is important for children to understand that science relies on collecting accurate results and working out what they mean.

Before doing an experiment or making observations, read through the activity with your child. Ask your children what they think will happen and why! Encourage your children to ask questions and make careful observations about what they see, hear and smell. All these science activities can be done at home and do not need specialised science equipment.

Here are some simple family activities that are linked to science.

- Collect and cook bush medicine
- Go for a walk and collect bush tucker that is in season
- Look at the weather forecast and compare it to what is happening outside. Is it raining, windy, sunny? What seasonal winds are blowing?
- Look for freshwater in creeks and trees (not from the tap). Check the tides and look at the moon.
- Look at the stars and tell stories about them.
- Do some exercise and then measure your heartbeat. Compare it to other people's.

<h1>Solids and Liquids</h1>	
This activity will help students identify solids and liquids in the kitchen	
<ul style="list-style-type: none"> • Ask children to select some food from the kitchen • Ask children if the food can be put into two groups (liquid and solid) • Ask children what liquids feel and behave like (they are runny, they can be poured, they take the shape of their container) • Ask students what solids feel like (they can be hard or soft, they don't take the shape of their container) 	
<h2>Melting and cooling: part 1</h2>	
-This activity will help students understand that some materials melt when heated. Part 1:	
Materials needed:	Milk, oil, piece of chocolate, piece of putter, piece of plastic, piece of aluminium foil/metal Also: zip lock bag, jars or plastic containers
Introduction:	<ul style="list-style-type: none"> • Explain to children that you are all going to look at what happens to solids and liquids when they are warmed up • Show the materials that you have (or ask children to help collect them) • Ask what children think will happen when the materials are warmed up • Explain that each zip lock bag/jar/plastic container will only contain one item (i,e a piece of chocolate). Note: if no containers possible, place on a piece of paper or tile etc.
Main activity	<ul style="list-style-type: none"> • Children place one item in each bag/jar • Ask children what words they might use to describe the objects (runny, softer, stickier, gooey etc) • Explain that things that are runny are liquids and things that keep their shape are solid. • Children place bags/jars in a warm location (in the sun, outside etc) • Leave for 5-10 minutes
Discussion	<ul style="list-style-type: none"> • Ask children what has happened. Has anything changed? (if necessary, leave outside for longer) • Ask children if the results were the same as what they thought would happen. • Ask children if any solids changed to liquids? (Hopefully the butter and chocolate will have melted). Ask children why this might have happened?
Extra activities:	<ul style="list-style-type: none"> • Ask students to list other foods that they have seen melting before • Ask students to repeat the activity and see how long it takes for the items that melted to melt

_____ before warming	_____ after warming
It is _____. I think it is a solid / liquid.	It is _____. I think it is a solid / liquid.

Optional way for children to draw what they see before and after warming

<h2>Melting and cooling: part 2</h2>	
-This activity will help students understand that some materials solidify when cooled	
Materials needed:	Milk, oil, piece of chocolate, piece of putter, piece of plastic, piece of aluminium foil/metal (same as part 1) Also: zip lock bag, jars or plastic containers
Introduction:	<ul style="list-style-type: none"> • Explain to children that you are all going to look at what happens to materials when they are cooled down • Show the materials that you have (same as part 1) • Ask what children think will happen when the materials are cooled down • Explain that each zip lock bag/jar/plastic container will only contain one item (i,e a piece of chocolate). Note: if no containers possible, place on a piece of paper or tile etc.
Main activity	<ul style="list-style-type: none"> • Children place one item in each bag/jar • Children place bags/jars in a cool location (fridge, near air conditioner etc) • Leave for 10 minutes, then check. Check every 10 minutes for 1 hour (or leave for 1 hour).
Discussion	<ul style="list-style-type: none"> • Ask children what has happened. Has anything changed? (if necessary, leave in cool area for longer) • Ask children if the results were the same as what they thought would happen. • Ask children if any liquids turned to solids (Hopefully the butter and chocolate will have melted). Ask children why this might have happened? Did any of the solids change?
Extra activity	<ul style="list-style-type: none"> • Take an inventory of your freezer with your children → what items freeze? • Make different shaped ice blocks and see how long they take to freeze • Add different liquids to an ice cube tray and see how long they take to freeze

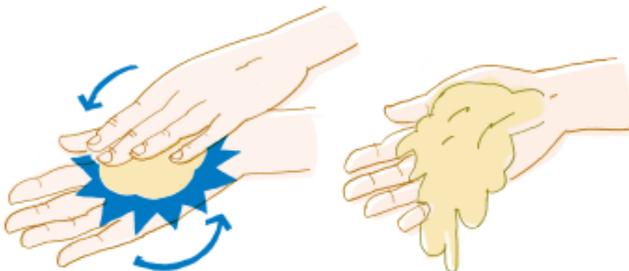
NON- NEWTONIAN FLUID

The brief

Create a liquid that turns into a solid when tapped.

The method

1. Add the corn starch to the bowl.
2. Add water slowly to the mixture, stirring in one tablespoon at a time, until all of the powder is wet.
3. Continue to add water until the corn starch acts like a liquid when you stir it slowly – but when you tap it with your finger it becomes hard.
4. Scoop the mixture into your hand and slowly work it into a ball.
5. As long as you keep pressure on it by rubbing it between your hands, it stays solid. Stop rubbing, and it melts into a puddle in your palm.



Materials

60g corn starch

60ml water

A spoon

A bowl for mixing

Design icons



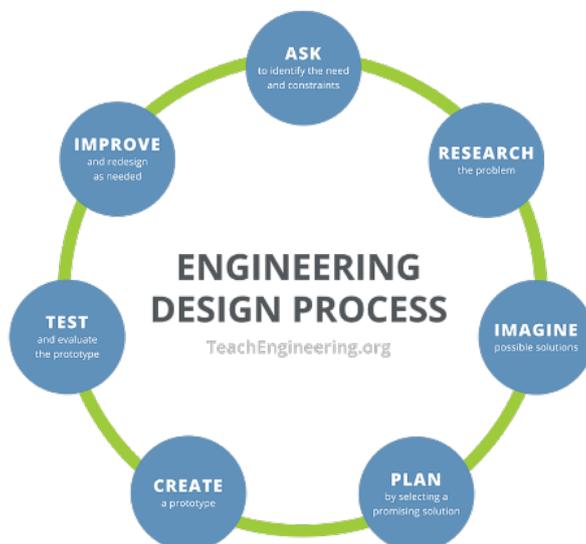
Sir Isaac Newton described how 'normal' liquids or fluids behave. He observed that their viscosity only changes with variations in temperature or pressure. In non-Newtonian fluids their viscosity also depends on the force applied to the liquid.

How does it work?

When you mix cornflour with water, the large cornflour particles remain suspended in the liquid. When you stir the mixture slowly it acts like a liquid because the suspended particles have time to move past each other. When you put sudden stress on the mixture, the water quickly flows out of the area but the particles do not have enough time to move out of the way – making the mixture act like a solid.

Science, Technology, Engineering and Maths (STEM)

STEM stands for Science, Technology, Engineering and Mathematics. This learning area allows children to use science and maths to solve real world problems. In STEM we use an inquiry process, as shown in this diagram.



How can I support my child?

Encourage your child to **ask questions**. Help them to find a problem they can solve.

Research the problem. Help them to find out more about it.

Brainstorm and **imagine** possible solutions. Help them to write these down, encourage them to draw a picture or a diagram of their ideas.

Create a **plan** to make one solution. Help them to make their plan, discuss, read through it with them.

Create a model (prototype) of their solution. Help them to find materials that they need.

Test and evaluate the model and improve the model as needed. Run through it with them, take photos, suggest changes.

Make sure that there are **constraints** on the activity. Constraints might be a time limit on how long children have to make something, or how much equipment they can use. This will keep the problem to a size and scope that children can manage.

Find simple problems at home that your children can solve. Here are some ideas:

- The best way to clean the kitchen
- How to stop animals from coming inside the house
- How to stop ants and flies from getting into the rubbish bin
- How to pack the car so that everyone can fit in

Hands-on Activity: A house for me- Materials and Design for different climates

Parent instructions

In this activity, children will brainstorm and discuss what materials houses in different climates are made from. They will build simple models and test the houses.

Materials needed

Hay/long grass	Clay/mud	Sticks (or similar)	
Sugar cubes (or similar)	Lego (or similar)	Small stones (or similar)	
Flour (snow)	Fan (wind)	Water (rain)	Hairdryer (heat)

Note: this activity can be done using whatever equipment you have at home. Look outside in the garden, look in the kitchen and look in the study!

Instructions

- Ask children: if you could live anywhere in the world with weather of your choice, where would you live? What would your house look like? Are houses around the world the same? What are houses made from in tropical islands? How are houses built in Darwin to protect them from floods? How are houses built in the arctic?
- Explain that houses in different areas are built differently, based on what materials are available and what the climate is like
 - *In the desert regions of southern America, they build houses from clay, straw and water mixed together (this mixture is called adobe). The adobe is used to make thick walls to keep buildings cool, but would crumble in the rain.*
 - *In Alaska and Canada, the local people made igloos from snow or ice. The dome shape helps make the igloo strong, but these would not be good in the heat!*
 - *In the Pacific Islands, where it is hot and wet, houses are made from palm leaves and woven grasses and are sometimes built on stilts to keep them from getting wet and to let a breeze keep the house cool underneath*
- **Tell children that their challenge is to design and build a model of a house. Steps:**
 1. They must think about what a house needs and what rooms it must have.
 2. They must choose a location for the house and work out what the climate would be like
 3. They must make a simple drawing to show before they start building

4. They must build their houses, using the available equipment, on the piece of grid paper provided
5. They must count the squares, working out the area of their house
6. They can test their house against the weather conditions they would face (flour for now, fan for wind, water for rain and hairdryer for heat)
7. Talk with your child about how they think their house went! They can re-build or improve their house

Vocabulary:

Adobe: Brick building material made from sun-dried mixture of earth and straw	Climate: A region with particular weather conditions
Arctic: Northernmost area of the Earth. Has long cold winters.	Tropics: the area around the middle of the Earth. Typically have a dry and a rainy season
Igloo: a house made from snow or ice in the form a dome (when temporary)	

Hands-on Activity: A House for Me: Materials and Design for Different Climates

Quick Look

Grade Level: 4 (3-5)

Time Required: 1 hours 15 minutes
 45 minutes for building and 30 minutes for testing

Expendable Cost/Group: US \$3.00

Group Size: 2

Activity Dependency: None

Subject Areas: Earth and Space, Science and Technology

Summary

Students brainstorm and discuss the different types of materials used to build houses in various climates. They build small models of houses and test them in different climates.

This engineering curriculum aligns to Next Generation Science Standards (NGSS).



For a house to best protect its inhabitants, it must be designed to suit the climate and building resources of its location.

Engineering Connection

Civil and environmental engineers are involved in designing structures.

They must take into consideration the climate and type of land where they are building to ensure that the

type of structure chosen will suit the environment. If an area is known for earthquakes, precautions must be taken to build a structure that can withstand as much of the impact of the earthquake as possible. If the area is extremely wet, the foundation must be made deep enough and solid enough for the house not to sink or slide.

Learning Objectives

- The impact climates have on the building of structures
- Details about several types of climates

- Basic structural design
- Basic experimental skills

Educational Standards

- NGSS: Next Generation Science Standards - Science
- Common Core State Standards - Math
- International Technology and Engineering Educators Association - Technology
- State Standards

Materials List

- hay or long grass
- clay
- Popsicle sticks
- sugar cubes
- LEGOs
- small stones
- flour (snow)
- fan (wind)
- water (rain)
- hairdryer (heat)

Worksheets and Attachments

Centimeter Grid Paper Handout (pdf)
Performance Assessment Rubric (doc)
Performance Assessment Rubric (pdf)

Visit [www.teachengineering.org/activities/view/a_house_for_me] to print or download.

Introduction/Motivation

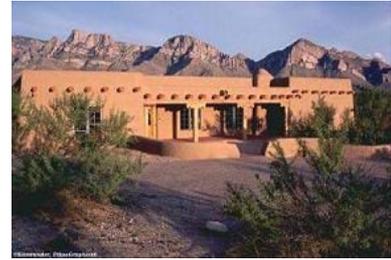
If you could live anywhere in the world and in the climate of your choice, what kind of a house would you construct? What would you need to build your house so that it could withstand the climate? In the next two classes you are going to use the given materials to create a house of your choice. You will need to choose materials that are suitable for the climate you have chosen to live in. Your house must still be standing after we have huffed, puffed, and tried to blow your house down!!

Procedure

Background

People in different parts of the world have different materials that they can use to build their homes and other structures. When building a home, they think about how to best use these materials to build a house that works well for where and how they live. In the southwestern part of the US, where people have a lot of clay and little wood, they build houses from adobe, a mixture of clay, straw and water.

Adobe houses have very thick walls that keep them cool in the hot dry desert weather. Adobe houses would not be good in places where it rains a lot because too much water makes adobe crumble. The weather in certain tropical islands in the Pacific ocean is hot, but wet. People there make their homes from materials that are easy to find, such as palm leaves, woven grasses and bamboo. Sometimes they build the houses on stilts to keep them off the wet ground and let the breezes move under the house, helping to keep it cool.



An example adobe house.

In ages past, the Eskimos in Alaska and Canada built their houses out of sod or snow. These dome-shaped houses are called igloos. The dome shape of the igloo makes it very strong and able to withstand powerful winter storms. Some Native Americans built dome-shaped houses made of poles, leaves and tree bark. These houses were called wigwams.



An example igloo.

Native American tribes that moved a lot often built cone-shaped teepees using buffalo skins or bark. Teepees could be easily built and taken apart quickly. Some Native Americans lived in more permanent structures called lodges made from logs and sod.

When early American settlers came to New England, they found the ground covered with large stones. They used these stones to build houses and walls that you still see in New England today. The northwest part of the US and Canada has plenty of forests, so most houses in these areas are made of wood. In areas of China with few forests, it is rare to have a wooden house. Instead, the Chinese people use tile, concrete and stone to build beautiful pagodas and other structures.



A stone house with a sod-covered roof, and a house structure made of wood.

In parts of Africa, where tall grasses grow, people weave the stems of dried grass together to make thatch huts. In Tibet, some people even make their houses out of wool! They shear the wool from ox-like animals called yaks. The wool walls keep the houses warm through the cold winter months. Most houses in the US today are built of wood, brick, stone, concrete, aluminum or even glass!

Recommended Resources:

Biomes are distinct ecological communities of plants and animals living together in particular climates. Learn more about biomes at:



An example teepee.



An example pagoda.

<http://kids.nceas.ucsb.edu/biomes/index.html>

See photos of snow-block igloo construction at: <https://www.wikihow.com/Build-an-Igloo>

See many photographs of teepees at: <http://www.photovault.com/Link/Cities/Southwest/Teepee.html>

Hoberman, Mary Ann. *A House Is a House for Me*. The Viking Press: New York, NY, 1978.

Before the Activity

- Gather materials.
- Read Mary Ann Hoberman's book, *A House Is a House for Me*.

With the Students

Present the Engineering Design Challenge:

1. Have the class think about why people need houses, what materials are needed to build a house, and what the various parts of a house include.
2. Pair students and have each team choose an environment where the students want their house built. Have students figure out what type of climate their house must be able to handle in that environment. Instruct them to design and sketch a house to withstand that climate.
3. Have each group to present their concept to the rest of the class. Have the class comment and make suggestions on each other's ideas.

Build:

4. Have the groups build their designs with the available materials. Have students construct their houses on an 8.5 x 11 piece of paper with a grid printed on it.
5. Estimate the area of the house by counting the squares.

Test:

6. Test the houses against the elements that would be appropriate for the climate they built their houses to withstand.
7. Compare each of the groups' houses and discuss what materials are needed in different climates.

Vocabulary/Definitions

Adobe: A brick or building material made of a sun-dried mixture of earth and straw.

Arctic: The northernmost area of the Earth centered on the North Pole, characterized by long, cold winters and short, cool summers.

Climate: A region with specified weather conditions; the average weather conditions of a particular place or region over a period of years.

Climograph: A graph that demonstrates the precipitation and temperature for an area.

Hut: A small and often temporary dwelling or shelter.

Igloo: An Eskimo house usually made of wood, sod or stone when permanent, or of blocks of snow or ice in the form of a dome when built for temporary use.

Lodge: A house set apart for residence in a special season.

Pagoda: A Far Eastern tower of several stories erected as a temple or memorial.

Taiga: A subarctic, evergreen coniferous forest of northern Eurasia located just south of the tundra and dominated by firs and spruces.

Tepee: A cone-shaped tent usually of skins used as a home by some Native Americans.

Tree House: A structure (as a playhouse) built among the branches of a tree.

Wigwam: A hut of the Native Americans of the Great Lakes region and eastward that usually has an arched frame of poles covered with bark, rush mats or hides.

Assessment

Final Evaluation: Use the attached rubric to evaluate student teams' success in three areas: quality of design and construction, performance of house against climate tests, and demonstrated understanding of concepts. Show students the rubric criteria in advance to clarify the grading process.

Investigating Questions

- What different kinds of homes are you familiar with?
- Why are houses around the world made of different materials?
- Why do people and animals need shelter?
- What types of materials are used to build houses?
- What materials are best for certain climates? Why?
- What would happen if the wrong materials were used for a given climate?
- What does climate mean? What is one type of climate?
- Which house withstood the elements best? Why?

Additional Multimedia Support

Have students read and then discuss an example in west Africa where a school was built to work with the climate and local materials and labor to withstand weather conditions ranging from blazing sun to torrential showers. The designer, a native of the community, reverse engineered everything he was taught at school, using principles of heat to figure out natural cooling, and learning to design windows that would protect from the blazing sun but still offer ventilation. See "Homegrown Hero" in the *Architectural Digest* at: <https://www.architecturaldigest.com/story/diebedo-francis-kere-opera-village-burkina-faso-article>.

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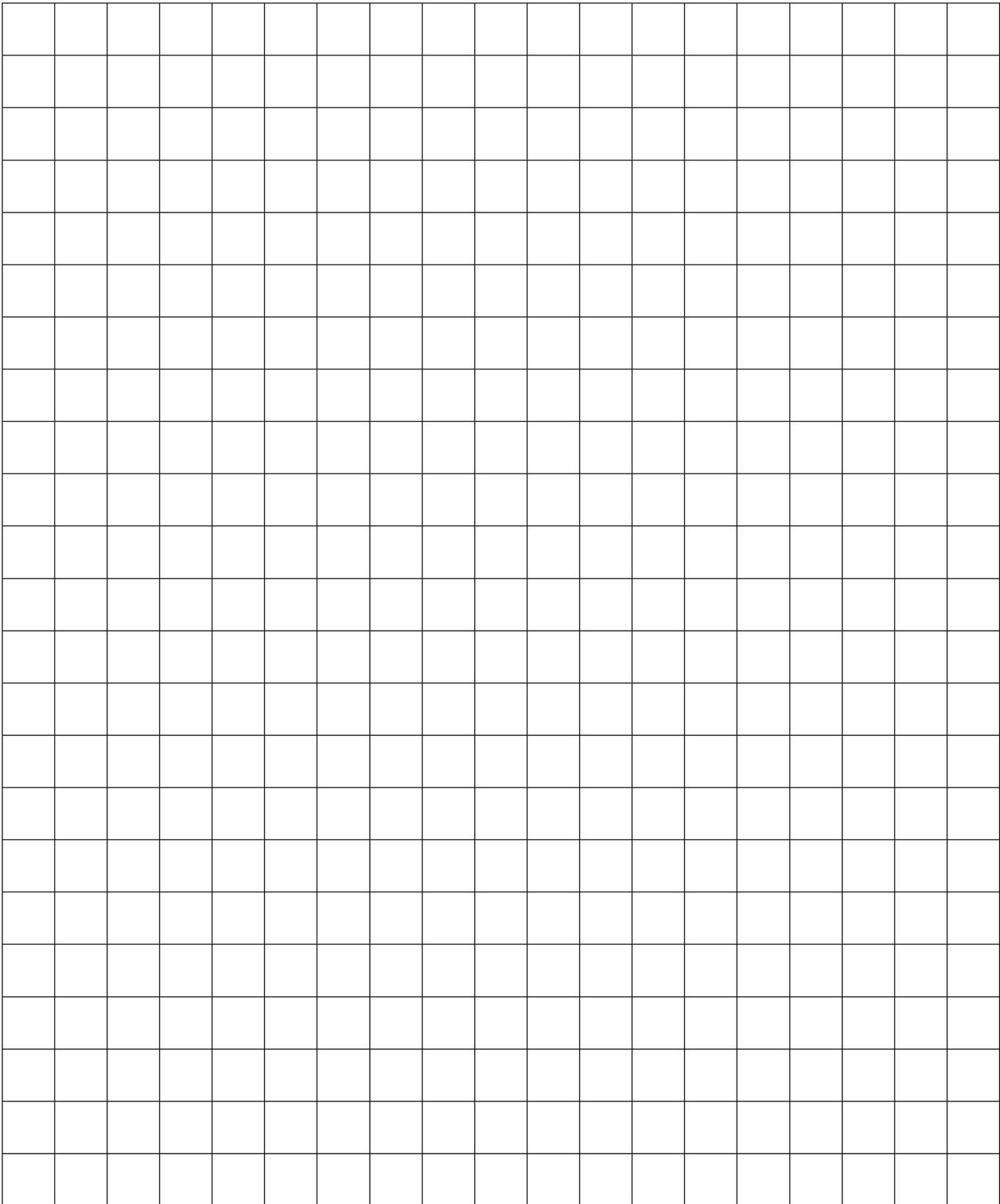
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Supporting Program

Center for Engineering Educational Outreach, Tufts University
Last modified: March 24, 2019

Free K-12 standards-aligned STEM curriculum for educators everywhere.
Find more at [TeachEngineering.org](https://www.teachengineering.org)

1 Centimeter Grid Paper



1 Centimeter Grid Paper

