

LEARNING AT HOME



LEARNING BEYOND A CLASSROOM

Historically schools have been the hub of teaching and learning but learning happens in many ways and in a variety of contexts...home being the number one spot. This parent information brochure is to highlight the many learning opportunities that parents can provide at home, and the best part is they are very easy to implement. These activities are intended to be supplementary to the weekly learning materials provided by year-level teachers.

HANDY TIPS FOR AT HOME LEARNING

Schedule Screen Time

Time ticks by quickly when using technology so it is a good idea to schedule when screen time will happen for students. Placing a boundary on technology will help students with expectations and managing the school day at home.

Timetable Learning

Students respond well to a timetable of the days learning experiences. Being organised and having a visual timetable helps them to engage in learning tasks and brings a sense of achievement when they have completed tasks. This includes break times. Having a scheduled recess and lunchtime is essential as it maintains routines for students.

Make Technology Purposeful

At the back of this brochure, we have a list of high-quality online learning platforms and apps that can be downloaded to enhance learning for students. As a school we always strongly advocate that parents closely monitor digital technology use at home, as is done at school.

Organise a Learning Space

A dedicated space helps students to code switch into a learning mindset and focus on tasks. Reducing distractions like the television and other stimuli can help students maintain focus and get the most out of tasks. So, turn off the TV, put the games away and turn off loud music before they settle down to work.

LITERACY

Oral Language

Encourage deep conversations and lengthy responses from students. Oral language is an important foundation for reading and writing.

Spelling & Vocabulary

When writing, encourage students to 'have a go' at tricky words and reread their writing to look for editing opportunities.

Reading

Build reading into every opportunity possible. There are lists of comprehension questions over the page to support you with strengthening understanding.

Writing

Work with your child to create persuasive writing on a topical issue. An information poster or narrative could also be jointly constructed with students. As they write, discuss the use of interesting language and vocabulary to enhance sentences (i.e., rich adjectives and verbs).

MAKING READING MEANINGFUL

Before Reading

- What is this book about? Make a prediction...
- Make a connection to the text so children can share experiences that may relate to the topic.

During Reading

- Model good reading for your child, where possible.
- Ask clarifying questions about characters, events and motives for actions (Who was..? Why do you think..? Why did the character react like that..?).

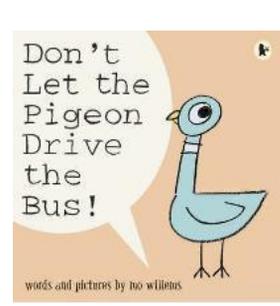
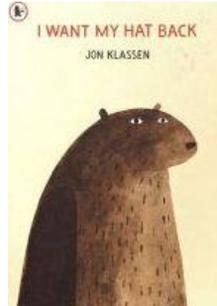
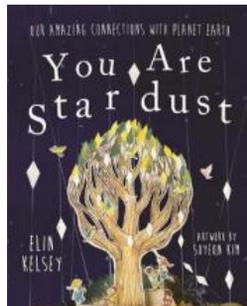
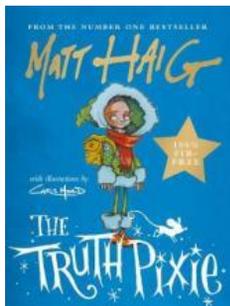
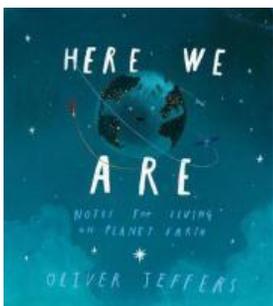
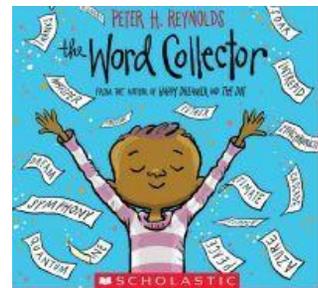
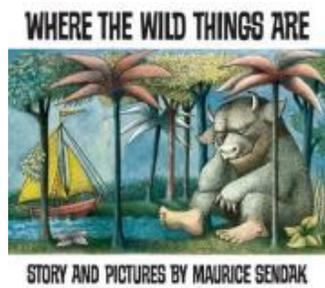
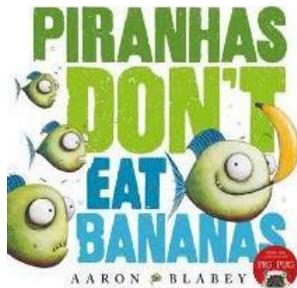
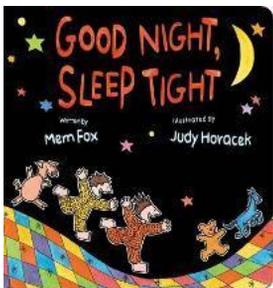
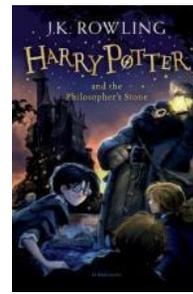
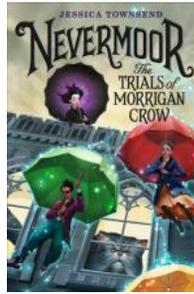
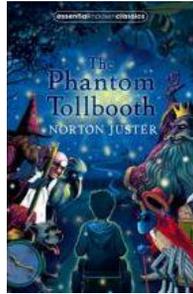
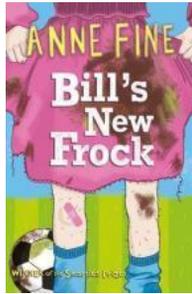
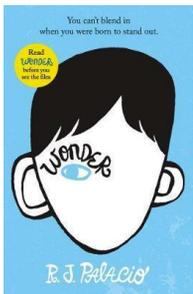
After Reading

- Reflect on what has been read and ask further questions (What would you have done if you had been in the same situation? Who was the most important character? Why do you think this? Have you ever felt..? What would happen..?).

VOOKS
Lots of popular books available. Appropriate for ages 4+
www.vooks.com

GET EPIC
40,000 books available online. Search by interest, age and more Appropriate for ages 3+
www.getepic.com

SOME OF OUR FAVOURITE BOOKS



Reading for any book Activities

Write a list of things from your book that could happen in real life.	Before opening the book – write your own story based on the title and illustrations. Now read it. Was your story similar? Which one is better?	Write down three events from your story and respond to the following for each: When the text said _____ I could hear/see/taste/smell.	Retell your story to a member of your family. What were the main events?	Pretend you are the main character in the story. Have a member of your family interview you as your character.
Draw a venn diagram and make comparisons between one of the main characters in your story and yourself OR another character in a similar story.	Once you have completed reading your story, write down 6 "I wonder" statements. Include a who, what, when, where, why and how question.	Make a Text-to-Text Connection. How does the book remind you another book you have read?	Which character in your book are you most alike/unlike? Write a paragraph about two things that are alike/unlike you and give reasons why.	Read the title and examine the illustrations. What do you predict this book will be about? What clues did you use to make this prediction?
Make a Text-to-Self Connection. How does the book remind you of something in your own life?	Draw a picture of the main character and label it. What does the character look like on the outside? How does the character feel on the inside? What is the character thinking? Why/how have you made these inferences?	After reading, write down three main ideas that were important in your story. Then, write down three things that were interesting, extra details but weren't that important.	Rewrite the story (or part of your story) from a different point of view. How does this change your story?	Talk about your favourite part of the story with your family. Why was it your favourite part?
Imagine you are the main character in your story. Write a diary entry about something that happened in the story. Include how the character is thinking and what they are feeling.	Did you like the ending to your story? How was the conflict or problem resolved? Rewrite the ending with a different resolution or outcome.	Write a set of interview questions to ask the main character in the story.	Read your story and write as many "is, can, has" statements about a main character. Compare these statements to yourself, a family member or a friend: eg Tina is a girl – just like me. Tina has two sisters – just like me.	Read your story and create a list of all the adjectives as you read that help you create images. What other adjectives could you use to create an even more descriptive image?
Divide and rule your page into 6 sections. Draw the events of the story in the right order. Which part was the most important and	After reading your story, write a letter to one of the main characters in your book. What important information or advice could you give them? Could you change the outcome of the story with this advice?	Write 3 sentences, passages or events from your book. Write what these made you think	Write down three questions you would like to ask one of the characters in the story and 3 you would like to ask the author who	Make a Text-to-World Connection. How does the book remind you of something that has happened in the world?

WRITING

informative

Activities

Write instructions on how to make your favourite kind of breakfast.	Write a recipe for friendship.	Write a report about your favourite animal (looks like, eats, lives, facts).	Write a recount about going to the beach.	Write directions to get from your house to your school.
Create a website for your favourite game.	Write a recount about your entire day yesterday.	Write a description of your bedroom, Remember to use lots of detail.	Write instructions about how to play your favourite game.	Write a recipe for your favourite meal.
Write a recount about the best birthday party you have ever had.	Write a report about your teacher (looks like, eats, lives, facts).	Write a recipe for fairy bread.	Write an explanation about how fish are different to humans.	Write a report about your pet (looks like, eats, lives, facts).
Write instructions about how to brush your teeth.	Write a recipe for a magical meal you have created.	Write a description about you.	Write a report about your favourite character in a book (looks like, eats, lives, facts).	Write a news article about the BEST MUM/DAD ever.
Create a website about your favourite book.	Write an explanation about what people can do at the beach.	Write instructions about how to paint a picture.	Write instructions about how to get ready for school.	Write a recount about your favourite Christmas/holiday ever.

WRITING

imaginative

Activities

Write a description about a monster you found under your bed.	Write a song about your favourite toy.	Write an acrostic poem about a celebration – CHRISTMAS, BIRTHDAY, EASTER, NEW YEARS EVE.	Create a movie script for a movie titled "The Crazy Neighbours".	Write a story using the following prompt: <i>It was the greatest treehouse in the world.</i>
Write a fairy tale that is set underwater.	Write a myth about how bees got their stings.	Write a haiku about school.	Create a story titled "My biggest mistake".	Write a comic strip about a robot running a race.
Write an acrostic poem about a person in your family using their name.	Write a description of an alien.	Write a story using the following prompt: <i>I found a box on the side of the road and inside I heard a scream "Help! Let me out of here..."</i>	Write a song about your favourite food.	Write a myth about why there is thunder.
Write a song about your favourite thing to do on the weekend.	Write a myth about why snakes have no legs.	Create a comic strip for helping someone else.	Write a story using the following prompt: <i>I woke up in a strange new world where I was the King/Queen.</i>	Write a limerick poem about an alien.
Write a story using the following prompt: <i>When I got to school, my teachers were turned into aliens</i>	Write a limerick poem about someone in your family.	Write a story using the following prompt: <i>If you had a time machine, where would you go?</i>	Create a book cover for a book titled "The Secret Room".	Write an acrostic poem for your name.

WRITING

persuasive

Activities

Create a poster to persuade people that books are better than television.	Create a TV advert to convince everyone to recycle.	Children should go to bed by 7pm...	Create a flyer to convince people that sport is good for you...	Country life is better than city life...
We should drink fizzy drink instead of water...	Your brother/sister should have to do all the jobs in the house...	Would you rather have a dog or a cat? Discuss the reasons why.	Create an advertisement to sell your ice-cream creation.	Children should have to go to work instead of school.
There should be no recess and lunch at school...	Write a speech persuading people that too much money is a bad thing...	All children should have to play sports...	Write a recommendation for someone to buy your favourite game...	All families should own a pet...
Write a recommendation for someone to buy your favourite book...	Every child should have a mobile phone...	Dessert should come before dinner...	All children should be given pocket money each week...	Would you rather be invisible or able to read minds? Why?
_____ is the most important subject to learn at school...	Create a poster advertising your favourite movie.	Children should be able to open one birthday gift early...	Create an advertisement to sell a bike.	Pink is the best/worst colour in the world...

MATHEMATICS

Number

Encourage students to improve their basic number facts and times tables by calculating the change from shopping, or the difference between sale price and retail price. Conversations about how they get their answer helps confirm their understanding.

Measurement

Students really enjoy measuring different objects around the house. Try measuring the volume of different shaped glasses/cups, or the length/area of their room. Better yet, students could redesign their bedroom or house using SketchUp.

Geometry

Building different 3D objects with old boxes is a great way to learn about 2D shapes and 3D objects. Make sure you have deep conversations about the different shapes and 3D object you make together to develop an understanding of shape properties.

Chance

Chance is all about the different possibilities. The best way to learn about chance is by playing board games and encouraging discussions about different possibilities before rolling the die or revealing a card.

Data

Collecting information about how many smarties in a packet or chips per person can be represented on a graph or in a table.

BOARD GAMES

Remember Uno, Monopoly, Boggle, Scrabble and Pictionary? Board games are a great way to integrate Literacy and Numeracy in a game situation. Spelling, reading and mathematics are all key skills in board games and a fun way to learn. Below are a few examples of tried and true games:

Board games to encourage skills in Mathematics

- Numero
- Uno
- Monopoly
- Snakes and Ladders

Board games to encourage skills in Literacy

- Pictionary
- Boggle
- Scrabble
- Trivial Pursuit
- Cranium

DIGITAL TECHNOLOGY

North Harrisdale Primary School has carefully selected quality internet-based learning sites to support you at home with student learning.

jr.brainpop.com (free access for limited time). Wonderful website and app with engaging activities in all curriculum areas.

education.abc.net.au Australian website with a variety of learning experiences (including digital books) for each year level.

prodigygame.com Lessons and activities for all areas of mathematics.

mathletics.com A fabulous school-subsidised resource available for consolidating mathematical learning.

mathplayground.com A great brain workout for mathematical topics. Year levels can be selected to find appropriate content.

SWITCH THAT MATHS BRAIN ON

Maths Matters

<https://www.facebook.com/Maths-Matters-115280948551194/>

Daily mathematical investigations that you can complete in the comfort of your own home with everyday household items.

Dr Paul Swan

drpaulswan.com.au/teaching-at-home

Quality games and activities mapped to each year level.

I See Reasoning – Gareth Metcalfe

<http://www.iseemaths.com/home-lessons/>

Information, resources and links for the daily home mathematics lessons hosted by Gareth Metcalfe.

Khan Academy

<https://www.khanacademy.org/>

Practice activities for kids to complete.

SOME OF OUR FAVOURITE PAUL SWAN GAMES TO PRINT & PLAY

All available for free download at

<https://drpaulswan.com.au/games>

DOUBLE UP

Start at 1 and move your counter to the right. Roll the dice and move your counter the number of squares shown. If you land on a blue square, you must double your counter. If you land on a red square, you must halve your counter. If you land on a green square, you must move your counter back to the start. The first player to reach 100 wins.

1	3	5	7	9	2	4	6	8
8								1
6	2	6	18	14	8	4		3
4	8	14	12	16	2	10		5
2	4	16	2	6	10	18		7
9	10	6	16	12	18	14		9
7	12	2	16	8	4	18		2
5	6	14	4	10	12	8		4
3								6
1	START							8

Double Dominoes (9)

Start at 0 and move your counter to the right. Roll the dice and move your counter the number of squares shown. If you land on a blue square, you must double your counter. If you land on a red square, you must halve your counter. If you land on a green square, you must move your counter back to the start. The first player to reach 100 wins.

Double Dominoes (8)

Start at 0 and move your counter to the right. Roll the dice and move your counter the number of squares shown. If you land on a blue square, you must double your counter. If you land on a red square, you must halve your counter. If you land on a green square, you must move your counter back to the start. The first player to reach 100 wins.

ARRAYS GAME 1

Roll the dice and place a counter on the board. The number on the dice is the number of squares you must cover. The first player to cover the entire board wins.

10	2	
5	3	
8	9	0
7		1
6	5	2
5	4	3

Money Match 2

Start at 0 and move your counter to the right. Roll the dice and move your counter the number of squares shown. If you land on a blue square, you must double your counter. If you land on a red square, you must halve your counter. If you land on a green square, you must move your counter back to the start. The first player to reach 100 wins.

10c	\$0.50	forty cents	\$1.50	\$0.80	twenty cents
80c	one dollar fifty	120c	\$2	ten cents	\$1
\$0.20	\$2.00	\$0.10	fifty cents	\$1.00	\$0.40
one dollar	50c	two dollars	\$1.20	\$1	\$1.50
\$1.20	10c	\$2	eighty cents	20c	40c
50c	150c	20c	\$1	one dollar	80c

ODD ONE OUT

Start at 1 and move your counter to the right. Roll the dice and move your counter the number of squares shown. If you land on a blue square, you must double your counter. If you land on a red square, you must halve your counter. If you land on a green square, you must move your counter back to the start. The first player to reach 100 wins.

Start	1	2	3	4	5	6	7	8	9
32	33	34	35	36	37	38		10	
31							39		11
30							40		12
29							41		13
28							42		14
27							43		15
26							44		16
25	24	23	22	21	20	19	18	17	

Fraction Decimal Percentage Match

Start at 0 and move your counter to the right. Roll the dice and move your counter the number of squares shown. If you land on a blue square, you must double your counter. If you land on a red square, you must halve your counter. If you land on a green square, you must move your counter back to the start. The first player to reach 100 wins.

50%	0.25	82.5%	$\frac{40}{100}$	0.20	33%
20%	0.4	66%	0.75	0.5	$\frac{10}{100}$
0.33	0.75	50%	0.25	0.10	0.625
0.1	25%	75%	0.66	82.5%	40%
66%	$\frac{5}{50}$	$\frac{75}{100}$	0.2	33%	0.625
25%	$\frac{4}{10}$	0.33	10%	0.66	$\frac{20}{100}$

Build to 100

Start at 0 and move your counter to the right. Roll the dice and move your counter the number of squares shown. If you land on a blue square, you must double your counter. If you land on a red square, you must halve your counter. If you land on a green square, you must move your counter back to the start. The first player to reach 100 wins.

1	3	9	7	4	2
4	7	6	8	1	5
2	8	1	3	5	9
5	3	8	6	9	7
6	1	8	4	2	9
3	7	2	5	6	4

MOVE YOUR BODY (INSIDE)

Go Noodle

www.gonoodle.com

Movement and mindfulness videos to get children moving.

Cosmic Yoga

www.youtube.com/user/CosmicKidsYoga

Yoga, mindfulness and relaxation designed especially for kids aged 3+

The Body Coach

<https://www.youtube.com/playlist?list=PLyCLOPd4VxBvPHOpzoEk5onAEbq40g2-k>

LIVE workouts at 9am Monday to Friday for children of all ages.

Mr B PE

<https://www.youtube.com/user/oblatchford/videos>

This channel is full of content designed to inspire kids and families to live healthy active lives from a PE Teacher.

Family Fun Cardio

<https://youtu.be/5if4cjO5nxo>

Aimed at getting the entire family to move together.

Kidz Bop Dance Along

<https://www.youtube.com/playlist?list=PLMr-d2PLsO95ydptpBnsxdQNSKc9iUNUO>

Sing, dance, and burn off extra energy to kid-friendly versions of popular songs.



GET ACTIVE

<p>DANCE PARTY Throw on your favourite tunes and have a dance party.</p>	<p>BALANCE BEAM Stick a long piece of painter's tape to the floor and walk across the beam. You can make it more challenging by having them hop from one balance beam to another.</p>	<p>HOPSCOTCH Using painter's tape or chalk, set up a game of hopscotch. Use a bean bag or rock to toss onto the squares of the hopscotch area.</p>	<p>HULA HOOPS See who can keep their hula hoop up for the longest. Can you do some fancy tricks with your hula hoop?</p>
<p>TAIL TAG Place a piece of fabric in a child's back pocket or loosely wrapped around a belt loop. Everyone chases that child and tries to pull the tail out.</p>	<p>OBSTACLE COURSE Move tables and chairs around and set up a fun obstacle course! Crawl under tables, climb over chairs, crawl through boxes, etc.</p>	<p>SIMON SAYS There's nothing like a game of Simon Says. Use especially physical commands such as jumping on one foot, running in one spot, doing jumping jacks, crawling on the belly, sit-ups, etc.</p>	<p>"SNOWBALL" FIGHT Ball up some white socks and throw them at one another! Don't get hit or you turn into a snow statue!</p>
<p>BEAN BAG TOSS Set up a target and toss bean bags at/into it. You can have bowls (each worth a different point value) or use a box with cuts holes in it.</p>	<p>HOT LAVA Cut squares of non-skid shelf matting. Spread the matting around on the floor, and the players have to hop from "stone" to "stone" without falling into the hot lava.</p>	<p>BALL GAMES Grab a ball and take it outside and play two-square, throw and catch, basketball or simply practice dribbling the ball in a creative way!</p>	<p>KEEPY UPPY Simply blow up some balloons and tell the kids to keep the balloons from touching the floor.</p>



COPIING CALENDAR: KEEP CALM. STAY WISE. BE KIND



30 actions to look after ourselves and each other as we face this global crisis together. Please use & share 

1 Make a plan to help you keep calm and stay in contact

8 Take five minutes to sit still and breathe. Repeat regularly

15 Make some progress on a project that matters to you

22 Find positive stories in the news and share these with others

29 Connect with nature. Breathe and notice life continuing

2 Enjoy washing your hands. Remember all they do for you!

9 Call a loved one to catch up and really listen to them

16 Rediscover your favourite music that really lifts your spirits

23 Have a tech-free day. Stop scrolling and turn off the news

30 Remember that all feelings and situations pass in time

3 Write down ten things you feel grateful for in life and why

10 Get good sleep. No screens before bed or when waking up

17 Learn something new or do something creative

24 Put your worries into perspective and try to let them go

4 Stay hydrated, eat healthy food and boost your immune system

11 Notice five things that are beautiful in the world around you

18 Find a fun way to do an extra 15 minutes of physical activity

25 Look for the good in others and notice their strengths

5 Get active. Even if you're stuck indoors, move & stretch

12 Immerse yourself in a new book, TV show or podcast

19 Do three acts of kindness to help others, however small

26 Take a small step towards an important goal

6 Contact a neighbour or friend and offer to help them

13 Respond positively to everyone you interact with

20 Make time for self-care. Do something kind for yourself

27 Thank three people you're grateful to and tell them why

7 Share what you are feeling and be willing to ask for help

14 Play a game that you enjoyed when you were younger

21 Send a letter or message to someone you can't be with

28 Make a plan to meet up with others again later in the year



“Everything can be taken from us but one thing: the freedom to choose our attitude in any given set of circumstances” ~ Viktor Frankl



ACTION FOR HAPPINESS

www.actionforhappiness.org

Find out more about the Ten Keys to Happier Living, including books, guides, posters and more here: www.actionforhappiness.org/10-keys

15 WAYS TO STAY IN TOUCH WITH YOUR OLDER FRIENDS

Write a letter to your grandparents and tell them why you love them.



Ask your grandparents to choose a letter of the alphabet. Find as many objects as you can around the house that begin with that letter.



Write a story or poem and publish it with your very best illustrations. Send/email to your grandparents.



Ring your grandparents and ask them about their day.



Ask your grandparents to send you some of their childhood memories. Ring them to talk about what you've discovered.



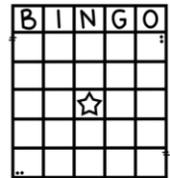
Interview your grandparents over the phone or email to find out more about their lives.



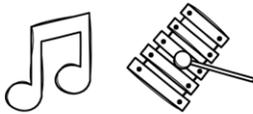
Create a short play. Once you are ready to perform, ask your parents to film and send to your grandparents.



Create a game for you to play with your grandparents. You could play over the phone or via video chat.



Rehearse a piece of music or a skill that you have been learning. Record your performance and send to your grandparents.



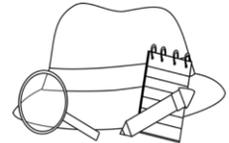
Create a list of your favourite jokes and ring your grandparents to tell them. Ask if they have any jokes to tell you.



Create an artwork especially for your grandparents. Send it to them or email them a photo of it.



Ask your grandparents to create a treasure hunt for you. *e.g. Find something blue, something starting with c, something soft.*



Ask your grandparents to read you a story via video chat. You might like to read them a story too!



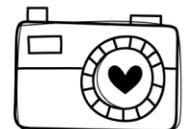
Draw a self portrait and/or a portrait of your grandparents and send it to them.



Send a message or email to tell your grandparents that you love them.



Create a collage of photos that contain memories of you and your grandparents. Send or email to them.

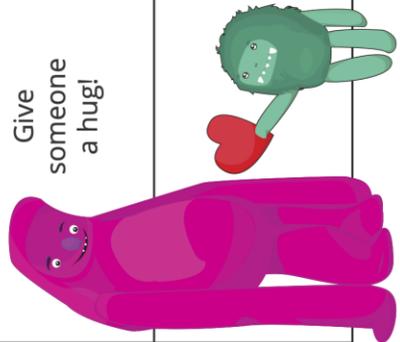


Family Homework Grid



Help set the table for dinner each night.	Go on a picnic with your family.	Write a silly story together as a family	Go on a nature walk and count how many birds and insects you find.	Cook a yummy treat with an older family member.
Read a story to a family member.	Help clean up after dinner each night.	Go for a bike ride as a family.	Help put the clean dishes away.	Draw a family tree.
Find out who your great grandparents were.	Ask an older family member what games they played as a child.	Help put out the washing once a week.	Video call a family member you haven't seen in a while.	Create a family portrait.
Make an indoors or outdoors cubby house with your family.	As a family gather some unused household items and donate them to charity.	Write a letter to a family member telling them how much they mean to you.	Make your own bed for a whole week.	Play a board game with your family.

Random Acts of Kindness Calendar

<p>Say "hi" to someone at school that you don't know.</p>	<p>Write a letter to a friend and include three reasons why they are a good friend.</p>	<p>Play or sit with someone from another class at lunch time.</p>	<p>Make a thank you card for your teacher and include why you appreciate them.</p>
<p>Help someone carry their belongings to class.</p>	<p>Make a card for someone at home and include why you love them.</p>	<p>Cheer someone up by telling them a funny joke.</p>	<p>Free Choice</p>
<p>Donate unused clothes and toys to someone in need.</p>	<p>Free Choice</p>	<p>Create a poster to display in the school that encourages people to put their rubbish in the bin.</p>	<p>Write down three things that make you proud of yourself.</p>
<p>Give someone a hug!</p>	<p>Write a kindness poem and share it with your class.</p>	<p>Free Choice</p>	<p>Share a smile with five different people at school.</p>
	<p>Ask a friend or family member about their day.</p>	<p>Give someone a genuine compliment.</p>	<p>Let someone go in front of you when standing in line.</p>

Technology Projects



POPPLET

Read a book and create a Popplet on the characters, settings, events, descriptive words etc

Choose a topic and brainstorm words related to it

Watch or read an informative text (i.e. Behind the News) and brainstorm key information



BOOK CREATOR

Create a narrative, picture book, information text, poem, procedure, persuasive text, joke book, recipe book etc. Students can add/draw pictures to illustrate their writing

Create a number, alphabet or sound book. Students can write words and add/draw pictures



iMOVIE

Interview a family member

Make an instructional video on how to do something

Make a video diary of a day in your life

Make and record a puppet show



KEYNOTE

Create a keynote about a topic that interests you. E.g. your family, pets, town, community, favourite sport, a country, an animal

Create a keynote presentation about your house!



iMOTION

Watch a TV show like "Wallace & Gromit", "Shaun the Sheep" or "Pingu" and use playdough and iMotion to create your own story stop motion animation.

Use your lego to create a stop motion animation telling a funny story. Share it on Seesaw for your friends to see.



CHATTER PIX

Take photos of the inanimate objects around your house. Make them talk and have them tell a story.

Take a photo of a character from a picture book. Tell the story from that character's point of view.

Draw a character and animate them telling a story or something interesting.

30 Day



Challenge

Follow the instructions for each day. The only rule is to have fun and use your imagination!

Day 5 You enter a contest to build the world's tallest tower. Will you win?	Day 6 You are stuck on Mars and need to build a new ship to get home.	Day 7 Ford hires you to create the toughest pick up truck in the world.	Day 8 You and 4 friends are stranded on an island. Build a boat to find a way home.	Day 9 Captain Hook needs a new pirate ship and wants you to build it.	Day 10 You and your friends decide to build a tree house.	Day 11 Prince Charming hires you to build a castle for him & Cinderella.	Day 12 Dr. Who hires you to build a new TARDIS.	Day 13 You are asked by the President to build a new monument to George Washington.	Day 14 Mr. Hilton hires you to build a new hotel.	Day 15 There is a circus in town. Build a place for the performance.	Day 16 Help your fellow pioneers build a wagon to make it across the country.	Day 17 Build the fastest car around and join the big car race.	Day 18 Do you wanna build a snowman? Get in the winter mood and build a snow scene.	Day 19 The city wants you to build a bridge to connect one side of the town to the other.	Day 20 Pizza party! It is up to you to make a pizza for all the guests.	Day 21 You are hired to build a brand new hospital.	Day 22 The fence is broke and the dog keeps escaping. Build one he can't get out of.	Day 23 You are now in medieval times. You are commissioned to build a jousting arena.	Day 24 The local bank keeps getting robbed. Build a safe no one can crack.	Day 25 Design and build your dream bedroom.	Day 26 You are elected ruler. Build a flag for your land.	Day 27 Aliens are invading and you need to build a war robot to defeat them.	Day 28 The aliens have taken over. They are impressed by your robot. They want you to build one for them.	Day 29 You are hired to build a house entirely out of yellow Legos.	Day 30 There is blizzard. You will need to build a snowmobile.	Day 31 The local bank keeps getting robbed. Build a safe no one can crack.	Day 32 You are now in medieval times. You are commissioned to build a jousting arena.	Day 33 You are hired to build a house entirely out of yellow Legos.	Day 34 There is blizzard. You will need to build a snowmobile.	Day 35 The local bank keeps getting robbed. Build a safe no one can crack.	Day 36 Design and build your dream bedroom.	Day 37 Do you wanna build a snowman? Get in the winter mood and build a snow scene.	Day 38 Build the fastest car around and join the big car race.	Day 39 Help your fellow pioneers build a wagon to make it across the country.	Day 40 You are now in medieval times. You are commissioned to build a jousting arena.	Day 41 The fence is broke and the dog keeps escaping. Build one he can't get out of.	Day 42 You are hired to build a house entirely out of yellow Legos.	Day 43 There is blizzard. You will need to build a snowmobile.	Day 44 The local bank keeps getting robbed. Build a safe no one can crack.	Day 45 Design and build your dream bedroom.	Day 46 Do you wanna build a snowman? 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What was your favorite day?

77 (MORE) Simple STEM Activities for Families

- ✓ Create a treasure hunt with a map & clues
- Learn to identify trees by their leaves
- Read a book with a STEM theme
- Make the alphabet from sticks or other natural items
- Make your name or words out of recycled materials
- Interview a relative using storycorps.org
- Take your bike apart and put it back together it
- Make something from old puzzle pieces
- Watch *Hidden Figures*
- Make a LEGO maze
- Test objects in your house to see if they float or sink
- Write instructions to make a sandwich & let someone follow them exactly
- Use the cards A-10 & play *War*, but see who can add, subtract, or multiply fastest
- Play Battleship
- Build a paper airplane launcher
- Build a fort using couch cushions & blankets
- Plant some flowers
- Make something useful from duct tape
- Invent something to solve a problem in your home
- Make "rubber stamps" out of cardboard & pasta
- Learn to solve a Rubik's Cube
- Write your own book, including drawings & cover
- Rearrange furniture in a room to improve function & movement in the room
- Track & graph your high score in a game
- Make ice cubes from various liquids & see how long each takes to freeze
- Make dinner for your family
- Determine how much waste there is from cooking a meal
- Invent your own musical instrument
- Try making gears using the website gearsket.ch
- Create a secret code using a shift or "Caesar" cipher
- Pick a word & see how many other words you can make from the letters
- Measure & graph temperature or rain totals
- Draw your own comic book
- Make a time capsule to open in 10 years
- Make artwork using shaving cream, food coloring, & a toothpick
- Plant a butterfly garden
- Invent a toy for your pet
- Watch *Cloudy with a Chance of Meatballs*
- Freeze a small toy or coin in water & make a time-lapse video of it melting
- Put different amounts of water in class containers & tap gently to make music
- Make paper airplanes using foldnfly.com
- Try sprouting a carrot top, dried bean, or fruit seed
- Put some dirty pennies in vinegar
- Put celery or flowers in water that contains food coloring
- Learn bird calls
- Build the tallest tower with 1 piece of paper & tape
- Turn an old book into a secret hiding place
- Learn to cook a new recipe or invent your own
- Observe the moon each night & take pictures to make a time-lapse video
- Measure things with a tape measure
- Build a model city with items in your house
- Make a bird feeder using a pinecone, suet, & birdseed
- Count how many & what type of birds come to your birdfeeder
- Make a mini-golf course
- Read a book & make a "book trailer"
- Paint rocks with encouraging words
- Weave a bracelet
- Learn about a STEM career
- Write a story, act it out with your family, & record it
- Make a sundial
- Invent a board game using bottle caps or other small items as pieces
- Draw something with isometric dot paper
- Make a slow-motion video of something in nature
- Learn to fold cloth napkins
- Make bread using yeast
- Draw 20 circles & turn each into something (pizza, planets, wheels, etc)
- Build something using toothpicks or straws
- Practice coding using Scratch or code.org
- Learn to crochet or knit
- Make your own tangrams
- Learn how cellphones work
- Draw a detailed map of a room in your home
- Learn to sew
- Make something from an empty toothpaste tube
- Look at the clouds
- Learn about the history of technology in your area
- Make cardboard automata (movable sculpture)

Chris Woods @dailySTEM
dailystem.com/resources

Explore Australia



National Parks

The Story Spheres of [Uluru-Kata Tjuta National Park](#)

Google Street View Trekker in [NSW National Parks](#)

Georama tours of SA National Parks, including:

[Coorong National Park](#)

[Malkumba-Coongie Lakes National Park](#)

[Onkaparinga River National Park](#)

[Mount Lofty Summit](#)

[Tantanoola Caves Conservation Park](#)

[Learning in Nature](#) : playlist of eight YouTube videos from Parks Victoria

[Parks Victoria on SoundCloud](#) : this educational channel from Parks Victoria has 18 audio tracks evenly divided between the topics of "Under the Sea" and "Gippsland Birds", the longest track is 6min44sec.

Zoos

[Zoos Victoria](#) : take your kids/students to check out the four live camera streams and see if they can spot the animals. "See Melbourne Zoo's three baby Snow Leopard cubs as they play under mum's watchful eye in their den. Enjoy the penguins as they go about their busy day; look up high and spot the giraffes as they spend most of the day eating; and check out the lazy lions of Werribee Open Range Zoo as they lord over their very own Pride Rock."

Government buildings

Victoria's [Parliament House](#)

NSW's [Parliament House](#) (these are YouTube videos rather than a direct VR experience)

[Parliament House](#), Canberra

NT's [Parliament House](#)

Museums

[Queensland Museum](#)

[The Australian War Memorial](#)

[South Australian Maritime Museum](#)

[South Australian Museum](#)

[Australia Museum](#)

Historic sites

Visit the [Polly Woodside Tall Ship](#) or [Old Melbourne Gaol](#) via the National Trust's Virtually There 3D resources

Visual collections

[National Gallery of Victoria](#)

[Art Gallery of South Australia](#)

[Australian Football League](#)

[The Australian Ballet](#)

[SensiLab, Monash University](#)

[Museum of Australian Democracy at Eureka \(M.A.D.E\), Ballarat](#)

[Australian Centre for the Moving Image](#)

[Geoscience Australia](#)

[Australia: Great Sporting Land](#) : explore the unifying spirit of Australian sport - from tales to traditions, larrikins to legends

[The Australasian Virtual Herbarium](#) : Australian and New Zealand herbaria house over eight million plant, algae and fungi specimens.

[Wilsons Promontory Virtual Herbarium](#) : This virtual herbarium provides access to a significant collection of plant and algal species from Wilsons Promontory National Park.

Explore the World



Explore the World Online

[360° Videos from Google Arts & Culture](#)

Museums & Galleries

[Tour the Louvre, Paris](#) : currently there are two virtual tours of the Louvre - Egyptian Antiquities and the Remains of the Louvre's Moat, both of these require Flash to be enabled. There is also a mini tour/information site on the restoration of the Galerie d'Apollon, which also requires Flash.

[The British Museum's Collection Online](#) : There are currently 2,335,338 records available, which represent more than 4,000,000 objects. 1,018,471 records have one or more images.

[British Museum via Google Arts & Culture](#)

[The Dali Theatre-Museum, Catalonia](#) : By means of this virtual visit, we invite you to take a tour around some of the museum's rooms and see some works and objects exhibited there by means of panoramic pictures. NB: requires Flash to view panoramic images.

[The Vatican](#) : seven different 360° tours of museums and other locations within the Vatican

[Online exhibits @ the National Women's History Museum, USA](#) : 29 different online exhibits examining Women's history in the USA, although I've noticed a lack of any mention of First Nations women.

Historical sites

[Virtual Tour of the Great Wall of China](#)

Orchestras, Operas...

[Take me to the Opera](#) : OperaVision has 21 operas from companies across the globe available for you to share with your students. Each thumbnail takes you to the specific performance's information page where you can view the YouTubeLive video, read up on the cast, the story and insights into the opera.

[Berliner Philharmoniker Digital Concert Hall](#) : if you register before March 31, the Berlin Philharmonic is offering a free 30 day pass to access their digital concert hall.

Animals - in the wild, in the farm, in captivity

[Monterey Bay Aquarium, California](#) exhibits

[FarmFood360](#) : explore Canadian farms and food tours

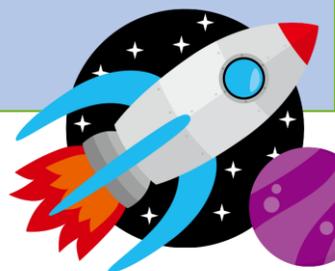
[Tundra Connections](#) : Experience Polar Bears | Virtual Field Trip in Churchill, Manitoba, Canada

a STEM focus

[Langley Research Centre Virtual Tour \(NASA\)](#) : click to view the map and then use the markers to visit different locations around Langley. Each marker opens up an information page about the location with a video and (scrolling down) additional information about the area and what happens there.

[Glenn Research Center \(NASA\)](#) : there are 10 virtual tours to take, including the Wind tunnels, Ballistics Impact Lab, the Space Environments Complex, and Zero-G.

Explore the Universe



Virtual Space

[Access Mars](#)

[Innovating the Future Virtual Field Trip](#)

Join Boeing and Discovery Education on a mission to inspire the world through aerospace innovation with an exclusive virtual field trip to historic Johnson Space Center in Houston, Texas.

Curiosity ▶ **Courage** ▶ **Challenge**

Non-screen activities you can do at home

25 ideas!

What can you do when there's no school and you're stuck at home? Here are 25 fun ideas to choose from.



1 How many different words can you make from the letters in this sentence, below? Grab a pencil and paper and write a list!

'Learning from home is fun'

2 Thank a community hero. Think of someone that helps you in some way and write a short letter to thank them.

Thanks!

3 Get building! You could build a Lego model, a tower of playing cards or something else!



4 Can you create your own secret code? You could use letters, numbers, pictures or something else! Can you get someone else to try and crack it?

5 Start a nature diary. Look out of the window each day and keep note of what you see. Birds, flowers, changes in the weather, what else?

6 Hold a photo session. Use a camera or a mobile phone to take some snaps. What will you photograph? Your pets or toys perhaps?

7 Build a reading den. Find somewhere cosy, snuggle up and read your favourite book!



8 Use an old sock to create a puppet. Can you put on a puppet show for someone?



9 Make a list of all the electrical items in each room of your home. Can you come up with any ideas to use less electricity?

10 Design and make a homemade board game and play it with your family.

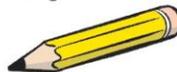


11 Do something kind for someone. Can you pay them a compliment, make them something or help them with a task?



12 Can you create a story bag? Find a bag and collect items to go in it that relate to a well known story. If you can't find an item, you could draw a picture to include.

13 List making! Write a list of things that make you happy, things you're grateful for or things you are good at.



14 Design and make an obstacle course at home or in the garden. How fast can you complete it?



15 Can you invent something new? Perhaps a gadget or something to help people? Draw a picture or write a description.



16 Keep moving! Make up a dance routine to your favourite song.



17 Write a play script. Can you act it out to other people?



18 Read out loud to someone. Remember to read with expression.



19 Write a song or rap about your favourite subject.



20 Get sketching! Find a photograph or picture of a person, place or object and sketch it.



21 Junk modelling! Collect and recycle materials such as yoghurt pots, toilet rolls and boxes and see what you can create with them.

22 Draw a map of your local area and highlight interesting landmarks.



23 Write a postcard to your teacher. Can you tell them what you like most about their class?

24 Draw a view. Look out of your window and draw what you see.



25 Get reading! What would you most like to learn about? Can you find out more about it in books? Can you find a new hobby?

Pobble.com – More writing. More progress.

51 things

TO DO BEFORE you're 12



- 1 Climb a tree
- 2 Sleep under the stars (even in your backyard)
- 3 Fall off a bike
- 4 Learn to swim
- 5 Build a cubby or a tree house
- 6 Find a geocache in your neighbourhood
- 7 Go beach combing after a storm
- 8 Cook damper in a campfire
- 9 Go on a school camp in the bush
- 10 Catch a wave (start with a small one)
- 11 Play chasy in the rain
- 12 Catch a prawn in a river (or at least have fun trying)
- 13 Make a water slide with builders plastic and a hose (do it on your watering day)
- 14 Find a cave
- 15 Make something with things you find
- 16 Play in a creek
- 17 Do something you're scared of
- 18 Watch kangaroos in the wild
- 19 Slide down a sand (or grass) hill on cardboard
- 20 Yell "cooeee!" in a gorge or a valley
- 21 Camp on a beach
- 22 Build a sandcastle city
- 23 Skim a stone
- 24 Plant something and watch it grow
- 25 Play spotlight
- 26 Ride your bike on a bush trail
- 27 Visit an island
- 28 Go for a two-day hike
- 29 Snorkel at the beach or on a reef
- 30 Ride a flying fox
- 31 Play under a sprinkler
- 32 Climb a big rock
- 33 Play in the bush for a whole day
- 34 Visit a waterhole
- 35 Meet kids in a park and invent a game
- 36 Paddle a kayak
- 37 Dig for worms in your backyard
- 38 Catch a crab
- 39 Learn the Aboriginal names for five plants and five animals
- 40 Visit a national park
- 41 Catch a fish
- 42 Play on a rope swing
- 43 Eat bush tucker
- 44 Make a kite and fly it
- 45 Jump off a jetty (check the water is deep enough first)
- 46 Identify the birds in your backyard
- 47 Go abseiling
- 48 Catch a tadpole (and release it)
- 49 Make a mud pie
- 50 Find a lake, puddle, pond etc and use a magnifying glass to spot the creatures in it
- 51 Play beach cricket

Find out why at www.natureplaywa.org.au

supported
by



Department of
Local Government, Sport
and Cultural Industries

<http://www.natureplaywa.org.au>

Curiosity ▶ **Courage** ▶ **Challenge**