



## Home Learning Activities Matrix for Year 5/6 – Literacy and Numeracy

Literacy	Numeracy
<p><b>Reading</b></p> <p>Write a sequel for a book you have read.</p> <p>Create multiple choice quiz questions for a book you have read.</p> <p>Write a script for an important scene of a book you are reading.</p> <p>Draw a detailed map of the setting of a book you are reading.</p> <p>Write a literary description which describes the setting of a book you are reading.</p> <p>Create an artwork of the setting of a book you are reading.</p> <p>Invent a new character for a book you are reading. Draw and describe this character.</p> <p>Write a bio poem to describe a character of a book you are reading.</p> <p>Create a word bank of interesting words you have found in a book you are reading.</p> <p>Write a book review for a book you have read. Present it to the class.</p> <p><b>Writing</b></p> <p>Write a factual description of a planet in the solar system.</p> <p>Write an information report about a plant of your choice.</p> <p>Write a procedure about how to measure your shadow.</p> <p>Write an explanation about what happens when water boils.</p> <p>Write a persuasive text about why voting in elections should be optional.</p> <p>Write a discussion about the advantages and disadvantages of siblings.</p> <p>Write a literary description of an enchanted forest.</p> <p>Write a literary recount about a time when you felt scared.</p> <p>Write a review of a song that you enjoy listening to or singing.</p> <p>Write a narrative about a broken wand, an ancient artefact and a clever teacher.</p> <p><b>Language/Vocabulary</b></p> <p>People adapt the way they speak, depending on the social situation they are in. Draw a Venn diagram to compare when it is appropriate to use formal language and when it is acceptable to use informal language. Include both spoken and written examples.</p>	<p><b>Number and Algebra</b></p> <p>Show all the pairs of factors for the numbers 36, 32 and 24.</p> <p>Draw a visual representation of all the different arrays for the number 48. Write a number sentence to accompany each array.</p> <p>During a weekly grocery shop, estimate the cost of all the items in your trolley. Check your estimate at the checkout.</p> <p>Choose and list the price of 10 supermarket items. Round each price to the nearest dollar. Use the rounded price to calculate the total cost of the items.</p> <p>Write 5 real-life word problems involving 1-digit by 2-digit multiplication. Use a written strategy to solve each problem. Show your working.</p> <p>Divide a block of chocolate between each member of your family. How many pieces does each person get? Are there any remainders? Draw and explain your working.</p> <p>Draw a number line between 0 and 1. Place the following fractions on your number line: <math>\frac{1}{2}</math>, <math>\frac{1}{3}</math>, <math>\frac{2}{3}</math>, <math>\frac{1}{4}</math>, <math>\frac{2}{4}</math>, <math>\frac{3}{4}</math>. Under the number line, draw each fraction.</p> <p>Write as many addition and subtraction number sentences as you can using these fractions: <math>\frac{1}{4}</math>, <math>\frac{2}{4}</math>, <math>\frac{3}{4}</math>, <math>\frac{4}{4}</math>. You do not need to use every fraction in each sum.</p> <p>Write 5 real-life word problems involve fractions with the same denominator. Answer each problem and show your working.</p> <p>Research and record the length of 10 different minibeasts, making sure there are decimals in your measurements. Order the minibeasts from smallest to largest.</p> <p>Find 10 items in a supermarket that cost less than \$1. Order their amounts from the cheapest to the most expensive.</p> <p>Imagine you are having a party. You have \$100 to spend. Create a simple budget for the party, listing the items you will buy with their amounts.</p> <p>Calculate the GST component of your family's weekly grocery shop.</p> <p>Create a number pattern involving fractions that increases and another that decreases. Describe the rule for each pattern.</p> <p>Create a number pattern involving decimals that increases and another that decreases. Describe the rule for each pattern.</p>

Many words are overused in writing. Some of these include: *happy, big, went, great, like*. In a table, list at least 5 more interesting synonyms for each of these words.

Choose a topic that interests you. Write a brief factual paragraph about this topic, then write a brief imaginative paragraph. List some differences that you notice between the two texts.

Write 10 interesting compound sentences (sentences which contains a subordinate clause). Underline the main clause in each sentence.

Draw a picture of a famous fairy tale character. Around your drawing, use noun groups to create rich descriptions of your character e.g. her long, green, warty nose.

Draw a picture of a haunted forest. Around your drawing, use noun groups to create rich descriptions of your setting e.g. the skinny, reaching tree branches.

Sometimes, specific words are more useful than general words when cooking. Create a table with the following headings: *Cut, Add, Mix, Cook*. Use a thesaurus to find at least 5 more specific words that could be used for each of these words.

Use a dictionary or the Internet to research words we use today that originate from Latin roots e.g. 'century' which comes from 'cent' meaning 'one hundred'. Try to list and define at least 10 words.

Create a table with the following headings: *tele, anti, mono, trans, hyper*. Under each heading, list at least 5 words that begin with each prefix.

Many descriptive characteristics end with the prefix 'ive' or 'ish' e.g. supportive, foolish. Create a mind map to show as many of these characteristics as possible.

### Spelling

Write your spelling words in forwards and backwards alphabetical order.

Colour code your spelling words according to the vowels and consonants.

Write boxes around each letter in your spelling words.

Write each of your spelling words inside a word search.

Write your spelling words showing breaks for each syllable.

Write the dictionary definition of each of your spelling words.

Write each of your spelling words in a meaningful sentence.

Write a conversation (using direct speech) which includes your spelling words.

Write a true statement and a false statement for each of your spelling words.

Write 5 clues about each of your spelling words.

### Measurement and Geometry

Measure and record the mass of each person in your family. Order the family members from lightest to heaviest.

Measure the temperature in your home each morning for a week. Use a conversion app to convert each measurement from degrees Celsius to degrees Fahrenheit.

Calculate the area and perimeter of 3 different rooms in your home. Draw a scaled, labelled diagram of each room.

Create a timetable for all the important events in your day using 24-hour time. Write 5 word problems to accompany your timetable.

Make a list of activities that take approximately one hour to complete. Time yourself completing one of these activities to see if you were correct.

Use toothpicks and blu-tack to create a square-based pyramid. Use your model to help you draw the net for your pyramid.

Draw a grid reference system for your bedroom. Use this grid to describe the location of 3 items in your room.

Find a picture that you like in a newspaper or magazine. Using a grid system, try to enlarge the picture by drawing it to the size of an A4 sheet of paper.

Choose a two-dimensional shape. Draw a translation, a reflection and a rotation of this shape.

Find 10 angles from around your home and draw them. Measure each angle with a protractor and label the angle.

### Statistics and Probability

List all the possible outcomes for winning a game of 'Scissors-Paper-Rock'. Play a game with a member of your family and tick each outcome as it occurs.

Write down each of the colours in a small box of Smarties. Use fractions to show the possibility of choosing each colour.

Observe and record the type and number of cars that drive past your home during a half hour period.

Create a graph of each family member's height (including yourself). Explain why the graph you have chosen is the most sensible choice.

Use a weekend weather forecast to determine the type of activities you could do as a family.

## Homework Activities Matrix for Year 5 – Science, HASS and Other

Science	HASS	Other
<p><b>Biological Science</b></p> <p>Draw a diagram of an animal of your choice. Label the physical adaptations the animal has developed to help them survive and thrive in their environment.</p> <p>Research a list of nocturnal animals. Explain how this behavioural adaptation helps these animals to survive and thrive in the environment in which they live.</p> <p>Choose a habitat. Create a mind map showing the adaptations that animals and plants would need to survive and thrive in this environment.</p> <p><b>Chemical Sciences</b></p> <p>Choose a state of matter. Create a mind map showing as many substances as possible that are in this state. Choose one example from your mind map and describe its properties in greater detail.</p> <p>Create a table with the following headings: <i>Low Viscosity</i> and <i>High Viscosity</i>. List at least 5 liquids that would belong under each heading.</p> <p>Draw a flow chart explaining the process of water changing state from a solid to a liquid to a gas.</p> <p><b>Earth and Space Sciences</b></p> <p>Research the length of one day on each planet in our solar system. Order the planets from the shortest day to the longest day.</p> <p>Draw and label a diagram which demonstrates how the earth, sun and moon interact with each other.</p> <p>Create an informative poster explaining all the ways that the sun provides energy for planet Earth.</p>	<p><b>History</b></p> <p>Do a PMI chart (plus, minus, interesting) about what it would have been like for British colonists living in Australia during the 1800s.</p> <p>Draw a Venn diagram to compare the Australian landscape before and after the arrival of the British.</p> <p>Pretend you are a gold miner, migrating to Australia to seek your fortune. Write a diary entry describing your hopes and fears about moving to a new country.</p> <p><b>Geography</b></p> <p>Choose a country in Europe. Research, draw and describe some of the environmental characteristics of this country's landscape.</p> <p>Investigate a current local planning issue being assessed by your local council. Make a list of for and against arguments for allowing the plan to go ahead.</p> <p>Create an informative poster to help members of the community prepare for the event of a flood or bushfire.</p> <p><b>Civics and Citizenship</b></p> <p>What do you understand about the word 'democracy'? Draw an illustration of what this word means to you. Write a paragraph to explain your illustration.</p> <p>Voting in elections in Australia is compulsory. Do you agree or disagree with compulsory voting? List and explain at least 3 reasons to support your viewpoint.</p> <p>Research a volunteer group that is active in your local community. Create a fact file for this organisation. Include information about what the organisation does, who volunteers and how they help others.</p>	<p><b>The Arts</b></p> <p>Imagine you are playing the role of a superhero in a drama. Create a mind map showing how you would use your voice, face and body to portray this character.</p> <p>Create a soundscape for a day at the beach. List the sounds you might hear and the instruments you would use to represent each sound.</p> <p>Create an artwork using different types of lines. Write a paragraph to explain your artwork.</p> <p><b>Technologies</b></p> <p>Your class has decided to build a raised vegetable garden. Draw a design for the garden. List the tools, materials and building techniques you will need to use to successfully complete the task.</p> <p>Choose a food product you regularly consume. Evaluate the packaging of the product based on its aesthetic appeal (how it looks), its functionality (how it works) and its sustainability (how it impacts the environment).</p> <p>Choosing not to print pages unnecessarily is an example of using technology in a sustainable manner. Make a list of other actions people can take to use technology more sustainably.</p> <p><b>HPE</b></p> <p>Describe a time that you had to deal with change in your life. Explain how you felt about the change and describe any strategies you used to help yourself adapt.</p> <p>Create an informative poster explaining the importance of children and teenagers eating a healthy diet.</p> <p>Create a table with the following headings: <i>Reliable Sources of Health Information</i> and <i>Unreliable Sources of Health Information</i>. List at least 5 sources of information that would belong under each heading.</p>

<p><b>Physical Sciences</b></p> <p>Choose 5 household objects and shine a torch on each one. Does the object transmit, absorb or reflect the light? Draw a diagram to show what happens.</p> <p>Create a table with the following headings: <i>Transparent, Translucent, Opaque</i>. List at least 5 materials that would belong under each heading.</p> <p>Record where the sun shines into your home before you go to school. Repeat the activity when you come home from school. Explain how and why the light has moved.</p>	<p><b>Business and Economics</b></p> <p>Choose two different groups in society e.g. older people and younger people. Draw a Venn diagram to compare the needs of these two groups.</p> <p>Ask an older person about the current wants and needs of your local community. Suggest what resources might be required to meet these wants and needs, both now and in the future.</p> <p>Choose a product that your family regularly buys e.g. bread, toothpaste, laundry powder. Discuss with your family why you buy this brand. Draw a picture of the product and list all the factors that influenced your family's decision to purchase it.</p>	
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