

YEAR 6 HOME LEARNING GRID – SPRING TERM 2017



Our topic this term is Leadership. We have made the tasks as cross-curricular as possible. The grid has been devised so that you can select and complete the tasks that appeal to you most. During the Spring term, you need to complete a Literacy or Maths task weekly. In addition one piece of topic or Science work will be expected each week. This term we have included some suggested daily Maths activities to reinforce key skills. These however do not count as a maths homework task, just ideas to keep the maths brain ticking over. Home learning books should be returned for marking on a **Monday** and will be given back on a **Wednesday**. Have fun and most importantly enjoy learning!

Literacy	In your home learning book write a formal letter to your MP. Think about one thing you would like improved in your local areas e.g. parking, park space, skateboarding area. Give reasons why this is important to you and the wider community.	What makes a good leader? Write a detailed text highlighting all the key qualities needed to be an effective leader. You may wish to take each quality as a heading for your paragraphs.	Imagine you have just been elected Prime Minister. Write a speech highlighting what you hope to achieve and outline ways you intend to improve Great Britain.	Write a character description of a protagonist (main character) from a story you have read recently. Remember to describe the main characters personality traits as well as their appearance.	Read an adventure story. Write a book report on your chosen story including the title, the author, the date of publication, the setting, a brief plot summary and character analysis. Extension When giving your opinion on characters, use quotation to support your point.	Read a science fiction or historical story. Write a book report on your chosen story including the title, the author, the date of publication, the setting, a brief plot summary and character analysis. Extension When giving your opinion on characters, use quotation to support your point.	Identify ten words that you often struggle to spell correctly. Record these in your books and write a mnemonic and draw an image to help you with your spelling e.g. because - big elephants can always use small exits.
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Maths Revision	Learn times tables (up to 12x12) and recall these at speed. Experiment with different revision techniques and see which suits you best.	Find and learn all the prime numbers up to at least 100. Are there any patterns? Extension Can you find factors for the following numbers: 36, 124, 77, 148, 43	Can you find all the square numbers up to 200? What do all the numbers have in common? What patterns do you notice? Extension Find the cubed numbers for numbers 1 -20	Find ten objects in your house to weigh. Estimate their mass first before weighing them and recording your measurements. Extension Can you convert your measurements into another appropriate unit of measurement?	Devise your own survey e.g. favourite artist, clothing brands, food etc. Create a frequency table and draw a pie chart to represent results. Extension Can you find the mean, range, mode and median?	Look at a local bus, cinema or train timetable. Write ten statements about the timetable e.g. the bus takes 14 minutes to get from stop A to stop B. Extension Create 5 questions based on your timetable	Find the divisibility rules for 5 numbers and give an example for each e.g. a number is divisible by 2 if a number is even (0,2,4,6,8) example 128 is 129 is not. You could use this website to support your understanding: http://www.mathsisfun.com/divisibility-rules.html
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Suggested Daily Maths activities	Have a go at the countdown game below. Can you complete quick calculations? http://www.topmarks.co.uk/Flash.aspx?f=countdownti_merv3	Plan a day out for your family using timetables. For example; a train journey into London or a trip to the cinema.	Investigate 3D shapes around your house. What is each shape called? What properties does each have?	Have a go at the Carroll diagram challenge below. Choose your own criteria and then see if you can sort the number accurately! http://www.topmarks.co.uk/Flash.aspx?f=carrollv7	Investigate the Fibonacci sequence.	When cooking at home, help to measure and weigh accurately.	During the weekly shop, round the prices to nearest whole number then estimate the total cost? How close were you?

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Topic	Research an important religious leader from one of the six major world religions. Create a fact file about their life and achievements. (If you choose Islam, remember not to draw any images of Muhammad)	Create your very own Viking helmet. The following website gives some instructions if you need further help. http://www.kixcereal.com/kix-cereal-4-exciting-and-fun-viking-and-dragon-party-kids-crafts/	Design a family crest or coat of arms. Think carefully about the images you include and provide reasons for your choices. The following website gives a good example. http://www.britroyals.com/arms.htm	Research a world leader from past or present. Write a biography about this leader including their early life, their time in power and what it is they achieved in this time.	Imagine you have won a competition to cook a meal for the Queen. Design a menu which is fit for royalty! Can you make one of the dishes and take a photograph for your home learning book.	Research a leader in any artistic movement of your choice e.g. Impressionism, Pop-Art etc. Create a copy of a piece of their work that particularly inspires you.	Listen to a range of classical music. Pick one piece that you particularly enjoyed – Find out about the composer and what instruments were used in the piece. Write an explanation of how the music made you feel.
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Science Revision	Investigate different types of trees. How can they be identified? What types of leaves, fruit or flowers do they have? What different tree types can you find in your local area?	Does temperature affect the rate of dissolving? Carry out your own investigation at home to answer this question. (See investigation sheet for guidelines)	Draw and label the parts of the plant (male and female parts). Write explanations for the function of each part.	Draw and label a diagram of the human body. Select 5 main organs and describe their functions in the human body.	Draw a detailed diagram of the water cycle. Explain the process for each stage of the cycle.	Investigate forces. Make your own rocket. The website below will help: http://www.wikihow.com/Make-a-Baking-Soda-and-Vinegar-Rocket	Write about 5 irreversible changes when an item has been heated or cooled and will not return to its original form. http://www.bbc.co.uk/schools/scienceclips/ages/10_11/rev_irrev_changes.shtml http://www.bbc.co.uk/schools/teachers/ks2_lessonplans/science/reversible_irreversible.shtml
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Included in the homework pack

- Science investigation guidance sheet
- Story planning sheet
- Maths revision booklet



Family Learning

This is a flexible option. The aim is to provide families with time to take part in something together or to use this as a free pass, so that you could, if needed, take a week off from the home learning grid. You may wish to visit a museum or art gallery as a family.

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