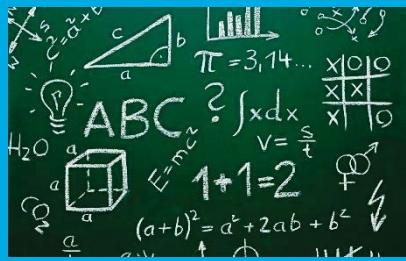


# Home Learning

## Spring Term 2021

### Upper School

### What? How? Why?



The following links will help you to practise some of the key learning for Maths, English and Topic this term. You can choose which things you most need to practise, and when and how long you spend on them. Make sure that you choose a range of activities (some from each box).

#### Maths

##### Mathletics

[www.mathletics.com/signin](https://www.mathletics.com/signin)

- \* Mathletics live - practise simple mental Mathematics skills by competing against members of your class or children from around the world.
- \* Learning activities - pick an area of Maths that you would like to improve in.
- \* End of unit test - These can be found at the bottom of each unit page under the learning tab.

##### Times Tables Rock Stars

<https://trockstars.com/>

We have signed up for Times Tables Rock Stars. More information, including log in details, will be emailed to you soon.

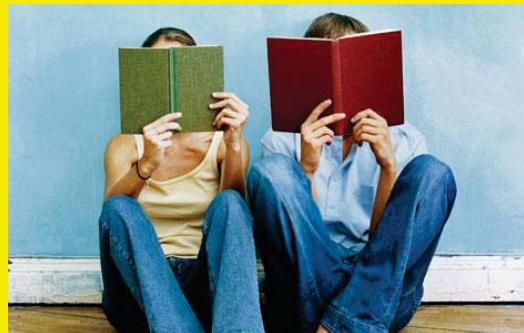
##### Other useful websites for Maths:

<https://www.topmarks.co.uk/mathsgames>

<https://mathsframe.co.uk/>

#### Reading

This term, we expect you to read for at least 20 minutes for a minimum of three sessions per week. Make sure that you record these sessions in your reading diaries. If you reach a reading record milestone, please email Mrs Salter so that you can be entered into the reading raffle.



#### STEM Focus - What? How? Why?

The following links will help you to develop your understanding of our topic this term:

<https://www.dkfindout.com/uk/>

<https://www.bbc.co.uk/bitesize/subjects/z2pfb9q>

<https://www.ducksters.com/science/>

<https://www.sciencekids.co.nz/>

<https://classroom.thenational.academy/subjects-by-key-stage/key-stage-2/subjects/science>

### English Activities:

- Find a science themed book that you have enjoyed reading and write a book review for it.
- Explore the genre of Science-Fiction. How many books can you find that fit into this genre? What authors are famous for writing these types of books? What do the books have in common?
- Write your own Science Fiction story. Where will it be set? When will it be set? Who will the characters be? What will be the problem or challenge to overcome?
- Create a setting for a distant planet or spacecraft. You could draw and colour your setting and then write a description for it.
- Write a newspaper article about a scientific discovery. You could report about the discovery of gravity, the invention of electricity or when penicillin was created.
- Find facts and create a poster about a significant individual in STEM. You could find out about Marie Curie, Albert Einstein or Isaac Newton.
- Design a poster explaining how a piece of technology works. How does a TV / phone / microwave work? How does a fridge keep food cold? Why is there day and night?
- Conduct your own science experiment and write a report to show what you found out.

### Maths Activities:

- Create your own or follow a recipe where you will need to weigh each ingredient using a scale. Try to pick a recipe where you can also practise your peeling and chopping skills.
- Create a questionnaire and gather data to present in a graph. You could ask your family about their favourite meal, what TV show they love the best, or challenge them to a physical task.
- Find 2D shapes in your home and create a picture using them.

### STEM Activities:

- Explore light in your household. What items produce light? What are the best surfaces to reflect light? You could design an item that blocks out light.
- Go on a nature walk and record as many different animal and plant species as you can. What species do you see most of? How are they adapted to live in that environment? Could you improve the areas near you to encourage nature?
- Create a piece of art based on the natural world around you. You could draw, paint or model what you can see outside, or you could use nature to create your art.
- Use Scratch to program a new game for someone else to play.
- Learn or create your own song to teach others about a scientific concept, such as the order of the planets or the water cycle.
- Create your own dance using the style 'robot'.
- Draw and label the inside of a piece of modern technology such as a hoover, phone or computer.
- Create a spreadsheet to organise an event using the formulae you were taught in the Autumn Term.
- Have a go at some science experiments. You could:
  - investigate different recipes for making slime.
  - find three different ways of making playdough.
  - discover what happens when you leave a rusty nail in cola.
  - experiment with ice cubes, salt and sugar.

**The above is a suggested list of ideas. If you would like to carry out your own project, we would be excited to see it.**