



Enriching Learning Spring Term 2024 Rowan Class 'Feel the Force'



Maths

www.mathletics.com/signin

Mathletics offers:

- *Live Mathletics – Practise mental Maths skills by competing against members of your class or children from around the world.
- *Activities - Pick an area of Maths that you would like to improve in. Choosing the topic that the class is currently studying would be a great idea. Can you turn the topic bar gold?
- *Skill Quests – Can you apply your knowledge to a wider range of questions?
- *Meritopia – These special set of games can only be accessed when you have earned enough points! Can you open the door to Meritopia?

<https://trockstars.com/>

Times Tables Rock Stars offers:

- *Single player games - Use these to increase your speed, accuracy and confidence.
- *Multiplayer games - Take on your friends, people around the world or even your teachers!
- *Tournaments - Look out for various battles against other classes throughout the term!

Other useful websites for Maths:

<https://www.topmarks.co.uk/maths-games>

<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 so that, when you reach a reading record milestone, you can be entered into the Reading Raffle. **Diaries will be checked every THURSDAY.**



Spellings

Each week, your child will receive a sheet (stuck in their homework book) with their spelling pattern on and some examples of that pattern. They will also have 5 different key words to learn each week. The sheet will also include a suggestion on how to practise their spellings. Feel free to get creative in this area!

On **Fridays**, your child will be tested on 5 random words from their pattern and the 5 key words for that week.

Topic Focus – Feel The Force

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

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

<https://www.bbc.co.uk/bitesize/levels/zbr9wmn>

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

[Nat Geo Kids - Discover](#)

<https://classroom.thenational.academy/>

Homework Timetable

Below is an example of a possible timetable for homework:

Mon	Read for 20 mins
Tues	
Wed	Read for 20 mins
Thurs	Practise spellings
Fri	
Sat	Read for 20 mins
Sun	Complete homework

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 or natural disaster. You could report about the discovery of gravity, the discovery of penicillin or the eruption at Pompeii.
- Find facts and create a poster, fact file or biography about a significant individual in STEM. You could find out about Marie Curie, Albert Einstein, Isaac Newton, Charles Darwin, Stephen Hawking, Thomas Edison, Louis Pasteur, Mary Anning, Valentina Tereshkova, Brian Cox, Pythagoras, Archimedes or Alan Turing.
- Design a poster explaining how a piece of technology works or natural disaster occurs. How does a TV / phone / microwave work? How do earthquakes happen?
- Write a Science or Maths-based acrostic poem. Your main word could be a name of a famous scientist or mathematician. It could also be a key scientific term, such as: space, orbit, friction or force.

Maths Activities:

- Create your own or follow a recipe where you will need to weight 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.
- Go to a shop with a family member and work out the total before getting to the till.
- Practise your measuring skills. Which of the cups in your house holds the most liquid? Are eggs all the same weight? How long does it take to cook pasta? You could write these up as an investigation and include a graph.

Topic Activities:

- Try stargazing. Pick a clear and dry night and look up to find stars, planets and maybe a comet.
- Create a 3D model of a scientific process or concept. It could be a model of the solar system, the inner workings of a volcano or the water cycle.



- Create a piece of Art using Maths.
- Have a go at some Science experiments. You could answer one of these questions:
 - What happens when you leave a rusty nail in cola?
 - What experiments can you plan with ice cubes, salt and sugar?
 - What happens when you mix oil and water?
 - Does an orange float? Does it float with its rind on?
 - Does toast always land butter side down?
 - Is sound louder through a balloon?
 - Can you make water bend without touching it?
- 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'.
- Create a timeline of key scientific discoveries. You could focus on general discoveries or be more specific and look at developments in medicine, physics, maths or technology.

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. Homework should be handed in every Friday.