HALL MEAD
SCHOOL

Science Department

EMPOWER
LEARNING ACADEMY TRUST

Welcome to Science at Hall Mead School!

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How is Science different to other lessons?

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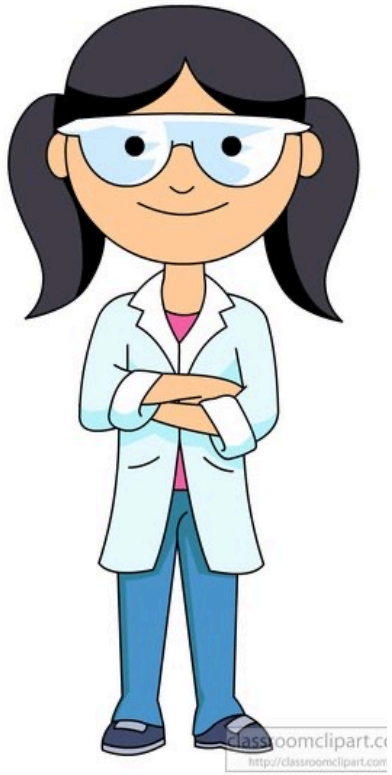


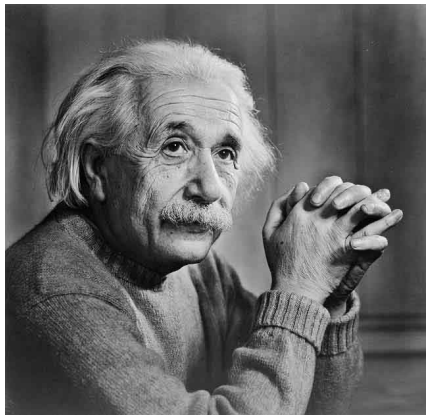
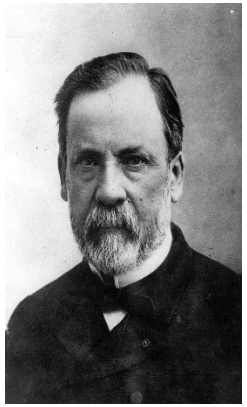
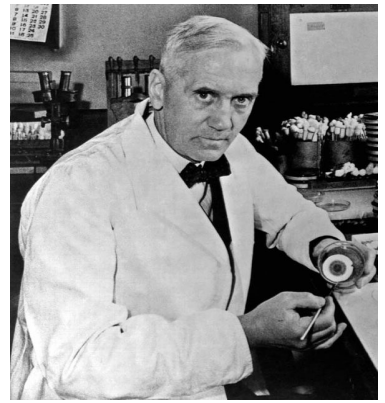
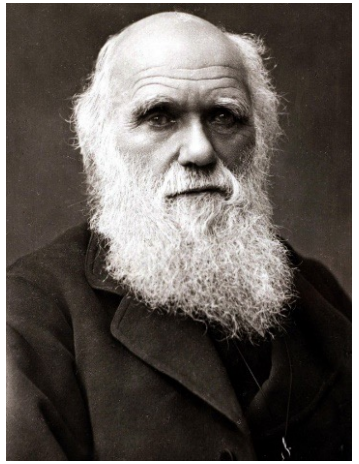
At Hall Mead, a lot of our lessons are practical based, which may include wearing pieces of protective equipment such as lab coats and goggles, as well as getting into good habits with working safely.

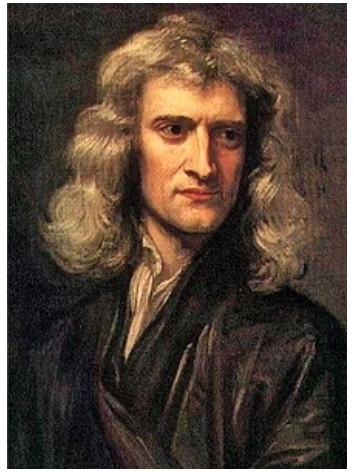
NO ENTRY

Science labs are different from classrooms so have different expectations. Some examples of ones you may be aware of include: Not entering a lab without permission, not eating or drinking inside a lab, and not running.

Names of our Science laboratories:

- Franklin
- Darwin
- Einstein
- Pasteur
- Curie
- Newton
- Fleming



Our labs were named after famous scientists!

Do you know what these famous scientists did? Why not find out….

Hall Mead Science laboratories:

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In our Science lessons at Hall Mead we...

Work by using a range of scientific methods

Link science learning to real-life experiences

Are challenged to develop key scientific skills

Have the opportunity to question

Have engaging and fun science lessons

Share our learning within our school and community

Explore the world around us

Try to be independent learners

Discuss and develop our ideas and develop our ideas

Use our curiosity to actually make and do scientific things

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Topics you will cover in Year 7!

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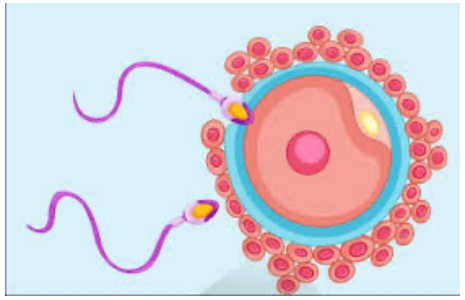
Essential Science skills

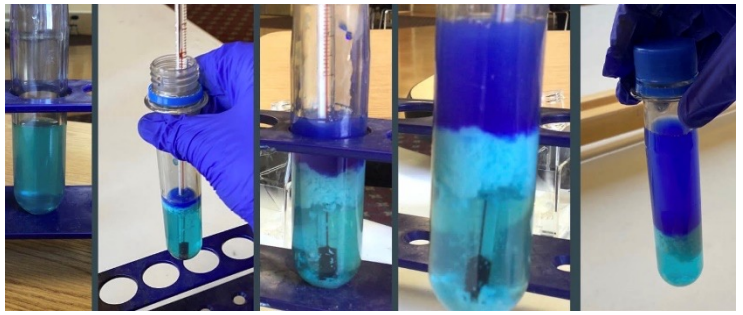
Variation, Classification and Adaptations

Solids Liquids and Gases

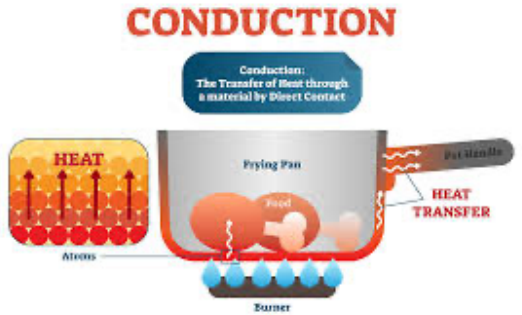
Cells and Reproduction



Chemicals and their Reactions



Energy and Energy Transfers



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Teachers within the Science department:

- Ms Deacon – Director of Faculty
- Mr Mitchell
- Mrs Afteni
- Mrs Barnes
- Mrs Boulahlib
- Miss Hadley

- Mrs King
- Miss McFadden
- Mrs O'Kane
- Mr Shaheed
- Mr Stephens
- Mrs Kurtalija

Some at home experiments to try

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Why Does A Volcano Erupt?

This homemade volcano science fair project uses a classic baking soda and vinegar reaction to demonstrate an erupting volcano. While a real volcano doesn't erupt in this manner, the chemical reaction makes an appealing demonstration that can further be explained in the results and conclusion phase. This is both a question and research-based project!

How Fast Do Skittles Dissolve In Water?

A bit of research, and a bit of fun playing with skittles in water with this colourful science fair project idea. Investigate how long it takes for skittles candy to dissolve in water and set up an experiment to compare water to other liquids.

How Can You Make A Rubber Band Car Travel Further?

Turn this STEM challenge into an easy science fair project by coming up with a few modifications to your rubber band car design to test. Alternatively, you could explore whether changing the size of the rubber bands make a difference to how far your car travels.

Does Color Affect How Food Tastes?

The taste buds on your tongue help you interpret flavours to identify different foods. Your other senses also play a role in this experience! Smells and visual stimuli tell our brains what we are eating.

Some research to undertake

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[How Water Travels Through A Plant]
Research how plants move water from the ground to their leaves and what plant structures are important for this process. Then use this colour-changing leaf activity to explore capillary action in leaves for an easy science fair project.

[Pollinators]
Study the importance of pollinators like bees in plant reproduction by reviewing ecological research and observing pollination in local plants.

[Tornado Science Project]
Research what a tornado is and how they are formed with this easy weather science fair project. Then make your own tornado in a bottle.

[Water Cycle Science Project]
Find out about the water cycle, what it is and how it works. Learn about where rain comes from and where it goes. Then create your own simple model of the water cycle within a bottle or a bag.

The Science Department look forward to making you a Scientist!

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