

# Abbeyfield School

## AIM Programme



**KS3 Able, Inspired & Motivated Programme**

**Subject: Science**

**Year: 9**

### The AIM Challenge

- Complete the Challenge tasks over the course of this academic year, submit to your subject teacher and you will achieve the AIM programme award in this subject.

Term	Challenge Task Title	Task Description
Term 1	The environment	What is in the news about the environment? Find six articles about the environment. Write a short summary of each article and reference each one.
Term 2	The Periodic Table	Improve your knowledge of the Periodic Table. You could learn the first 20 elements in order. Or learn the elements in one group with details about each element. Or learn facts about elements with similar properties eg. Radioactive elements.
Term 3	Renewable fuels	Research a range of renewable fuels. Compare the fuels and write an article for a magazine with your recommendation for the fuel of the future.  Reference your research sources.
Term 4	History of Science	Identify three scientists from under-represented groups (i.e. women, LGBT, third world country, BAME). Outline their stories: from education to discovery/research. You can produce this work in a format of your choice.
Term 5	Scientific processes	Scientific processes involve a sequence of steps e.g. viruses reproducing, manufacture of paracetamol, nuclear fission.  Produce an animation that shows and explains the steps in a scientific process of your choice.
Term 6	Space exploration.	What's the latest news? Choose one of the following themes:  What probes are out there? What is their destination? What is their purpose?



## Dream big, AIM high



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		Man's journey to Mars – produce a timeline showing what has happened so far and the next steps in man's journey to Mars.
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