

Abbeyfield School

AIM Programme



KS3 Able, Inspired & Motivated Programme

Subject: Science

Year: 8

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	Fun Science experiments	Use the internet to find an experiment that you can do at home. This could be making a density experiment you can drink or making a balloon rocket. There are ideas on this website: https://sciencebob.com/category/experiments/ Take photos of your experiment and find out the science behind the observations you record.
Term 2	Using models in Science.	Research a structure in science (natural or engineered). Produce a model that shows the components of the structure. Include annotations or a supporting document with information about the structure and the key features.
Term 3	Discovery and Exploration.	Research current exploration (oceans, land or space). How is the research being carried out? What are scientists aiming to achieve through their research? Present your findings in your chosen format: short video, powerpoint, booklet.
Term 4	The Environment	Carry out a survey. (This could be your family, your friends, staff at school or the local area.) What is being done to minimize the effects of human activity on the environment? Produce an article for the local newspaper describing what is currently being done and make recommendations for the future.
Term 5	How it works.	Research a device that interests you. This can be anything from a cork borer to a radio. Produce an information poster or video explaining how the device works.



Dream big,
AIM high



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Term 6	Science in the news.	Review current Science items in the news. Produce your own article for a magazine summarizing the research you have conducted. This could be related to health, technology or research.
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