

High Performance Learning Extended Project
(Post scholarship program 2021)

Is plastic a good thing ?



According to “Plastic Oceans” we are producing roughly 300 million tons of plastic every year, 8 million of which ends up in our oceans. What could we do to reduce the amount of plastic we use? Which would have the greatest impact and which would be the most difficult? What plastics do you use at school and at home? Could they be replaced with other materials? If so, would there be an environmental impact with the new materials.

Some plastics are really useful and important. What do we need plastic for? Are there “good” plastics and “bad” plastics? What should we do with the waste?

Start by watching the following video <https://youtu.be/aFUHLtaTazQ>

Can you verify the figures? Is this the truth or is it opinion?











Pupils:

In the coming weeks, we will be expecting you all to produce a 1000 word project (about 4 pages) and a presentation for parents. The presentation can be as a poster or a powerpoint.

The purpose of this project is to teach you to start looking at information in a different light and to extend your HPL learning skills in preparation for next year at senior school. You will need to weigh the

value of information you discover and decide which is fact and which is opinion. Honing a set of academic skills that will be useful for you in the future.

The projects will be presented to your parents (live or on zoom) on the evening of **Thursday 10th June** and be judged using the following criteria.

	Meta-Thinking	With appropriate support, plan and carry out the project, applying organisational skills to achieve agreed objectives. Evaluate outcomes both in relation to the project and your own learning.
	Analysing	Identify questions and begin to refine and clarify to deepen understanding.
	Creating	Expect to look beyond first ideas and seek others in order to reach a conclusion.
	Agile	Identify the research steps and strategies, refining methods of enquiry. Justifying which information is fact and which is opinion.
	Empathetic	Justifying beliefs and ideas, realising the need to change in light of new evidence.
	Linking	Big-picture thinking by starting a new project, by focusing on the big questions and then linking different information.
	Hardworking	Taking responsibility for the project, seeking and responding to feedback on how to improve.
	Realising	During the final presentation of your work recalling the key facts and being able to use the relevant ideas.

Staff:

Each member of staff will be concentrating on the same project with you in the weeks after your scholarship. We will be helping you within our own areas of expertise.

e.g.

History: How to tell fact from opinion?

Maths: How to analysis the data?

Science: What is a plastic and how is it made?

English: How to write a coherent extended essay?

RS: Debating skills.

Other subjects: Uses of plastics in particular area and preparing the presentation.

Parents:

If any parents have a particular use for plastic in their job, it would be excellent if they would be prepared to talk to the pupils about it (via zoom) e.g. Medical uses or agricultural uses. If you were willing to zoom the class, then please get in touch with Mrs Langford.

With thanks to Flipped Learning