

DAGENHAM PARK SUBJECT CURRICULUM

Subject	Science
Year Group	Year 7
Overview	<p>In the first term Year 7 pupils will learn new scientific practical skills. They will then move on to explore the building blocks of all organisms at a cellular level. They will also explore materials at a particle level and scrutinise the production, use and waste of energy. In the spring term, pupils will develop electrical skills by exploring circuits; they will delve deeper in the human anatomy looking closely at how the reproduction system functions; pupils will develop the scientific skills that they obtained in the first term by looking at acids and alkalis used in everyday life. In the final term they will look at how forces work in real life scenarios and pressure in solids, liquids and gases, an in depth look into inheritance and variation and finally Earth Science.</p> <p>Throughout the year, pupils will be stretched and challenged to develop their scientific skills and knowledge. They will be encouraged to do outside reading, which will be directed by the teacher. Students engage in lesson that are specifically designed to develop their enquiry skills and evaluative skills.</p> <p>Independent project work will be set by the class teacher following the school homework policy. This is readily available on Show My Homework. Each topic will have a graded extended piece of written work, designed to fully support the learning of the pupils, but at the same time promote independence of learning.</p>
Autumn Half term 1	Investigating Science Cells
Autumn Half term 2	Matter Energy
Spring Half term 1	Reproduction Acids and Alkalis
Spring Half term 2	Electricity Inheritance and Variation
Summer Half term 1	Earth Science
Summer Half term 2	Forces and Pressure

Homework	Project work
Useful Resources	Sharepoint BBC Bitesize