

Physics Curriculum Intent

Resilience

Being able to look at practical results, identify anomalies and carrying out repeats are all essential skills to build resilience.

Collaboration

Lessons involve practical group work to improve lab skills and

SKILLS & CHAP CANADA CA Pupils understand the importance of discussion and peer review in the scientific

Creativity

Application of knowledge and logical thinking skills are integral to scientific investigation.

Careers (CEIAG)

Aerospace shadowing Careers Fair Work Experience

Enrichment

Stem club Lego Robotics league "Physics is Fun" schools' competition "Schools Physicist of the year" award

POSITIVE RELATIONSHIPS

All students know that school works for them and in their interests

Cultural Capital

PSOIRPHION & CAREERS Pupils are encouraged to make links between current events, like renewable energy sources, and our Physics learning in the classroom. All pupils take advantage of our excellent links with the Engineering department at Sunderland University, the Reece Foundation and the Ogden Trust for external visits and in school activities.

Energy transfers Electricity

Atomic structure and radioactivity

Forces

Waves

Mechanics

Pressure and materials

TNOWLEDGE & UNDERSTANDING