

Curriculum Intent: Engineering

Motto: Ausculta

Mission Statement: Living, Loving and Learning through Christ.

Theological Virtues

Faith: The virtue by which we believe in God.

Hope: The virtue by which we trust God.

Love (Charity): The virtue by which we love God.

Mission Statement Delivery:

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- Encourage students from age 11 to address community and global problems, fostering a sense of significance beyond grades.
- In Year 8, inspire students through national competitions and CREST awards, virtual museum tours, and designer interviews.
- In Year 9, collaborate with West Cumbria Rivers Trust for real-world projects, providing practical field experience.
- At KS4, focus on local culture and community needs, with local professionals engaging with students.

Curriculum Design:

- Promote independent learning with a variety of textbooks and ambitious projects judged by international designers and local professionals.
- Adapt curriculum post-COVID to support different abilities, including sentence structure support and one-on-one assistance.
- Address varied experiences in design and technology, covering KS2 concepts and introducing engineering language from Year 7.
- Emphasize extended writing and healthy debates to prepare students for KS5.

Achieving Our Mission:

- Require a big write and oral presentation annually in KS3, with flash cards and a STEM library to enhance learning.
- Identify and support students needing additional help early in the academic year, with tailored resources for EAL and literacy support.
- Ensure all teachers have design and technology accreditation, involving retired experts and building relationships with local colleges.
- Conduct verbal knowledge recall and knowledge retrieval questions regularly, teaching project planning and time management from Year 7.



- Challenge misconceptions about engineering through projects and debates, increasing external contacts to address these issues.
- Build on skills progressively, e.g., from basic soldering in Year 7 to more complex projects in Year 8.

Assessment:

- Conduct regular knowledge checks and ongoing practical skill assessments, ensuring health and safety and quality control.