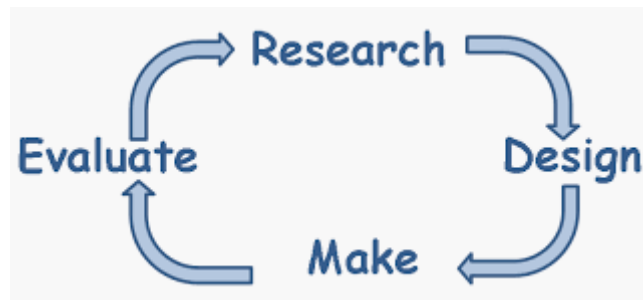


Curriculum Statement – Design & Technology - QRA

At Queens Road Academy, children receive an exciting and challenging design and technology curriculum. Our syllabus allows for creativity to flourish with the use of our four-stage process.



The children will first research the product to see it in a real-world context. Next, they will design the product and then use the skills they have learnt to bring it to life. The last part of the process is evaluating their designs and final products. This is an essential part of the process as it allows them to adapt and improve on their work, which is a skill they will need throughout their life.

Our design and technology curriculum is shaped by our six school values: communication, innovation, curiosity, positive mindset, resilience and critical thinking. We have ensured that our subject covers the National Curriculum. This is supported using clear skills and knowledge progression and allows for prior knowledge and skills in other subject areas to be included. This guarantees that these are built on year by year and are sequenced appropriately to maximise learning for all children.

The key skills the children learn are:

- Using appropriate tools safely and effectively
- Sewing and textiles
- Using materials for construction
- Electrical and mechanical components
- Cooking and nutrition
- The understanding and use of technical language
- Designing using different media

Design and technology is taught in short blocks at the end of a unit of work and results in a STEM outcome, where children have an opportunity to apply what they have learnt. Our process, coupled with the outcome, creates a positive attitude towards the subject and captures pupil's interest.

Alongside our classroom curriculum, design and technology is promoted across the school in several ways. These include: displays, STEM fairs, clubs, twitter and parental engagement days.

By the time children leave our school they will have:

- The ability to use time effectively and work collaboratively with their peers
- Opportunities for independent work and an excellent attitude to learning
- The ability to carry out thorough research, ask questions and develop a deep understanding of users' needs
- Opportunities to apply mathematical knowledge accurately
- The skill to act as responsible designers and makers, used ethical practices, managed finite materials and worked safely.
- A knowledge of which materials, tools and equipment to use when making their products
- Passion for the subject