Aims and ambitions

We want our Ewanrigg Junior School Engineers to be researchers of products and shrewd evaluators of design and purpose. We want our Ewanrigg Engineers to take risks and innovate in invention. Emulating the best inventors and entrepreneurs Britain has to offer. We want our Ewanrigg Engineers to be considerate of the needs of end users and tailor there designs accordingly. We want our Ewanrigg Engineers to feel confident in the use of a variety of tools and be able to see how mechanisms work to create an excellent end product.

Planning and Teaching structure (Learning journey)

Dimensions is utilized as reference point when planning DT lessons. Design technology lessons at Ewanrigg are planned to ensure children gain a broad and deep knowledge of the world, whilst utilizing the skills needed to be a designer.. DT is taught as a discrete subject within blocks as part of a 2 year cycle.

Adaptive Teaching

All children are able to access all lessons through quality first teaching., adaptation of resources and responding to the needs of the individual child.. We provide targeted support, pre-teaching of vocabulary and the use of technology in order to support learners.

We have high expectations of all children and promote academic achievement and well-being.

Design and Technology at Ewanrigg Junior School

Knowledge

Knowledge has been organized into a series of ladders. These have been sequenced in a logical way to build on prior knowledge and attain new learning. In DT we have structured our knowledge into the areas of vocabulary, product features, invention and development, food technology, users and design and product research.

Skills

The curriculum has been designed to ensure the progression of skills in DT. Each DT project builds children's suite of skills sequentially and stretches them for the next step in their progression. Skills include product analysis, using tools, evaluation and using mechanisms.

Assessment

Kahoot quizzes are used as post and pre assessments to assess the children's geographic knowledge and understanding. Misconceptions highlighted from these quizzes are addressed. Design Technology is monitored as part of the yearly monitoring cycle. Track Zone is used to build an individual profile of children's knowledge and skills at the end of each project. Formative assessment is a continuous and integral element of every DT lesson and informs any adaptations and next steps in learning.