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**DT at Great Moor Junior School**

**What does a DT lesson look like in our school?**

* Children engaged and enjoying DT.
* Being involved in one of the processes of design, make and evaluate.
* Children would complete research, investigate and analyse a range of existing products (year 6 visited the Hat works for inspiration this is also linking with the local community).
* Children learn how key events and individuals in Design and Technology have helped shape the world Technical knowledge.
* Design with the user in mind, motivated by the service a product will offer
* Pupils would then generate, develop, model and communicate their ideas through discussion, annotated sketches, pattern pieces and computer-aided design, (Year 6 used labelled diagrams and year 3, used Minecraft).
* Products are innovative, functional and appealing products that are fit for purpose and aimed at particular individuals or groups.
* Children are given lots of choices throughout each topic.
* A variety of materials and textiles are used.
* A variety of tools and equipment are used.
* Many cross-curricular links made with DT: literacy – writing evaluations and creating design briefs; Maths- measuring materials; Computing – Minecraft, word processing and iPad apps.
* Technical knowledge and the correct terminology is used throughout the process. (key vocabulary lists are used)
* Progression is made throughout KS2 (textiles done in Year 4 and Year 6 using skills and knowledge learnt in Year 4 which help the children in Year 6.)
* Children have a growth mindset and respond positively to challenge. They persevere with tasks and challenge themselves.
* Collaboration in groups or with a talk partner is frequent and productive.
* At the end of each module, children evaluate their products and ideas against their own design criteria as well as peer mark; considering the views of others in order to improve.
* Children think about seasonality when cooking, choosing item based on this. They are also taught to apply the values of nutrition and healthy eating to everyday life.

**How does DT work at Great Moor Junior School?**

* The *National Curriculum in England: DT Programme of Study* is the statutory curriculum are followed and covered.
* DT modules at GMJS cover a wider range of topics: creating structures; using electrical and mechanical systems in their own products; cooking food, structures and sewing.
* A range of topics covered using activities that are creative and practical.
* Topics are covered in depth over a series of lessons throughout a term. To ensure children can fully immerse themselves in the topic.
* Homework is given out relating to their DT topic.
* The Secrets of Success (and other PSHE work), along with praise and modelling of positive responses to challenge, foster a growth learning attitude in the children. Mistakes are viewed positively and are used to support learning

**What Assessment takes place?**

* Assessment grids are divided up into year groups and topics, they are swiped to show achievement. These are taken for the Design and Technology association.
* Summative assessment is the main tool during and after each lesson.
* Assessment is based on all aspects of the DT curriculum: designing, making, evaluating and technical knowledge.
* At the end of the topic, EMX is used to determine the ability of each children in the topic.
* The children regularly self-assess and reflect on their progress.
* End of topic assessment quizzes are conducted in every year group at the end of each topic taught.