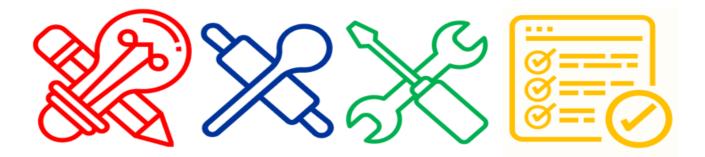## Curriculum Intent Statement Design and Technology (D.T.)

Brompton & Sawdon Primary School is located in Brompton-by-Sawdon, a small village which is most famous for being the home of Sir George Cayley, commonly known as the 'Father of Aviation', in the 18th and 19th centuries. Sir George is widely recognised to have been the first person to understand the principles and forces of flight, as well as being the first inventor to have constructed a flying aeroplane. He developed a number of patents and inventions over his life, not just in aviation. It is through this spirit that our school implements its Design and Technology curriculum, so that our students, like Sir George, are **Ready to Fly** in Design and Technology.

At Brompton & Sawdon, we recognise that, like Sir George, learning through practical activity and observation can have a huge impact. We ensure that children have a range of opportunities to design and make a range of products for a range of purposes. However, we also ensure that children do not see Design and Technology as just about 'making things'. Children are taught to **Respect** the technical knowledge and progressive skills required to be successful in DT. They do this by being taught about notable designers, inventors and architects (including, but not limited to, Sir George Cayley) and the process that these individuals went through of Design, Make and Evaluate.

Children are taught through this process in a range of situations. For example, building on the school's value of **Nature**, children design, make and evaluate products they create in our Forest School site, such as shelters. Children are provided with the opportunity to practise elements of this process together: through our value of **Family**, children work together to evaluate each other's work and suggest constructive strategies to improve.

Children also apply this same process (design, make, evaluate) when they are taught about cooking and nutrition, which also builds on our Healthy Schools award, and allows children to see that DT is not just about making products. The fidelity to the discipline of Design and Technology is also enhanced by children being explicitly taught the differences between DT and some subjects which may be taught alongside it. In particular, we feel it is crucial that children understand the difference between DT and Art & Design or between DT and other STEM (Science, Technology, Engineering and Mathematics) related subjects, although we believe it is crucial that the principles of DT are also reinforced through some of these subjects.

We have the highest expectations for our pupils with SEND. Rather than simplifying tasks, we intend that they receive the support, adaptations and resources needed to allow them to achieve learning objectives in line with their peers.

This might include:

- adult support, different groupings, adapted tasks to reflect different learning styles,
- Pre-teaching of specific vocabulary or concepts
- Over-teaching to reinforce
- Adult support in a small groups or 1:1
- 1:1 support where and when necessary.
- Word mats / visual cues that explain some of the key concepts or vocabulary
- Knowledge organisers to refer back to if they are unsure of a particular concept
- Further / additional or adapted resources around the classroom
- Adapted worksheets / books
- Carefully considered Peer buddies / pairings / groupings
- Adapted timings

If they can't learn the way we teach, we teach the way they learn.