



Design and Technology Curriculum Statement

Subject leaders - Dan Gudgeon

Intent

At Place Farm Primary Academy, our curriculum allows pupils to become self-motivated and confident learners, who can work independently and as part of a team. We want our pupils to be problem solvers who are not afraid of making mistakes. We believe that our pupils learn best by **'doing'** and by allowing them to experiment and take risks in a safe and positive learning environment. It is our desire to deliver a curriculum in which pupils' express creativity through designs and produce high quality outcomes.

Implementation

Design and Technology begins in Early Years where the children are encouraged to use a variety of different materials and resources to design and create 'masterpieces.' The children build using Lego and blocks, and they use a variety of resources in the 'make and do' area as well as cooking and sewing. Once the children have settled into school life, and know their boundaries, they are then introduced to the woodwork station, where they are encouraged to design and build using real tools. They develop the understanding of being safe and how to use different tools. This is important because it helps our pupils to develop early problem-solving skills.

As the children move through the school, they have developed the foundations, from Early Years, to build upon. They have opportunities in textiles, food and nutrition, mechanisms, systems, structures and understanding materials.

Children are encouraged to design and plan their work. Children are also encouraged to put their plans into action, see how their plans progress, use their problem-solving skills and if problems arise, change their thought process. Design and Technology also includes, Computing and Electronics but this is also covered by our Computing and Science curriculum.

Impact

What do we want the children to achieve by the time they finish Place Farm:

- Have basic life skills - cooking, sewing, using a hammer and nail
- Understand the importance of a balanced and varied diet
- Awareness of different tools and their use
- Student are able to improvise, adapt and overcome problems
- Students feel supported and secure in making mistakes and do not aim for perfection

- Children express their own creativity through their designs and are more socially confident to give their opinions
- Collaborative skills