



Work Hard – Be Kind

## **Intent, Implementation & Impact**

### **I am a Designer**

#### **Intent**

*I am a designer. I seek to use creativity to innovate. I surround myself in a range of products and inspirational contexts, before I find meaning and tell a story that sets up a new design challenge. I shape my ideas to become practical and attractive products for users. When designing, I use my knowledge and skills towards delivering a specific end and utilise appropriate technologies.*

At King's Oak Academy, it is our intention that when children study Design and Technology they will have a practical, creative and joy-filled experience of design technology. Designing, innovating, making and evaluating products for purpose and solve real and relevant problems will enable the children to develop a critical understanding of its impact on their own daily lives and the wider world.

We aim to teach the children a broad range of knowledge and skills and to apply learning from other subjects such as maths, science, computing and art. Children at KOA learn to, and are encouraged to become risk-takers and innovators.

#### **Implementation**

Through a variety of creative and practical activities, we teach the knowledge, understanding and skills needed to engage in an iterative process of designing and making. The children design and create products that consider function and purpose, and which are relevant to a range of sectors (for example, the home, school, leisure, culture, enterprise, industry and the wider environment).

When designing and making, the children are taught to:

- Discover: immersion into the design and building knowledge of users, products and systems.
- Define: finding meaning, telling stories and setting the design challenge.
- Develop: using tactile experiences and graphic recording to create a design.
- Deliver: making prototypes, justifying choices and responding to feedback.
- Evolve: present and pitch ideas to an audience, evaluating and celebrating achievements.

Design and Technology will be taught in a block unit to allow the time needed for children to be critical, inventive and reflective of their work.

Children will have the opportunity to work collaboratively, sharing ideas and knowledge. Design criteria will reflect the CLF looping curriculum and the year group, with more challenging criteria and expectations as the children progress through the school.

Children in EYFS will explore and use a variety of media and materials through a combination of child and adult led activities. They will have an introduction to the key skills needed for later years such as

experimenting with colour, design, texture, form and function, and handling equipment and tools effectively.

### **Impact**

Children at KOA will be able to design purposeful and functional products based on a specific design criterion and be able to create, develop and evaluate their ideas through talking, drawing and models. They will be able to select and use appropriate tools and materials. They will apply their technical knowledge to support the process. They will evaluate their design against the design criteria and think of ways to improve their skills or the product. Children will have clear enjoyment in learning as a designer.