INTENT				
Ready to achieve	Respectful	Safe	Happy and Healthy	Inspired to be the best we can be

Wodensfield Curriculum Intent	At Wodensfield Primary School, our intent for Design and Technology (DT) is to provide our students with a creative and practical learning experience that fosters their problem-solving skills, critical thinking abilities, and encourages their innovation and imagination. We believe that DT plays a crucial role in equipping our pupils with the necessary skills and knowledge to become lifelong learners and adaptable individuals in an ever-evolving technological world. Our aim is to inspire a passion for design and technology, promote resilience, and enable our students to become confident, resourceful, and responsible creators.
Wodensfield Curriculum Implementation	To achieve our intent, we have carefully planned the implementation of Design and Technology throughout our curriculum at Wodensfield Primary School, following a scheme of work provided by Kapow Primary. We provide a structured and progressive program that covers a wide range of skills, including designing, making, evaluating, and technical knowledge. Our curriculum is designed to encourage both independent and collaborative learning, enabling students to explore their ideas, take risks, and learn from their failures. We integrate real-life contexts and cross-curricular links to enhance the relevance and application of DT skills. Through a variety of practical activities, such as model-making, cooking, textiles, programming and construction projects, we provide hands-on experiences that allow students to develop their creativity, dexterity, and problem-solving abilities. We also incorporate the use of digital technologies, including computer-aided design (CAD) software and programmable devices, to introduce our pupils to the modern aspects of design and technology.
Wodensfield Curriculum Impact	The impact of our Design and Technology curriculum at Wodensfield Primary School is evident in the knowledge, skills, and attitudes our students develop. Through engaging and purposeful lessons, we see our pupils becoming confident and resilient designers, capable of identifying problems, generating ideas, and producing innovative solutions. They gain a deep understanding of materials, tools, and processes, enabling them to create functional and aesthetically pleasing products. Our students learn to evaluate their work critically, reflecting on their successes and areas for improvement. The impact of DT extends beyond the subject itself, as our students transfer their skills to other areas of the curriculum and everyday life. They develop teamwork and communication skills by collaborating with peers on design projects. Furthermore, our curriculum promotes an appreciation for sustainability, encouraging students to consider the environmental impact of their designs. Overall, our Design and Technology curriculum empowers our students to be resourceful, adaptable, and creative individuals, ready to face the challenges of the future.

Design and Technology Policy Statement

At Wodensfield Primary School, we believe that Design and Technology (D&T) is a key part of our curriculum, providing opportunities for our students to develop creativity, problem-solving skills, and practical abilities. This policy outlines our approach to teaching and learning in D&T, following the Kapow Primary Scheme of Work.

Aims and Objectives:

1. To develop students' creativity, critical thinking, and problem-solving skills through the process of designing and making.
2. To enable students to acquire practical skills, knowledge, and understanding of a range of materials, tools, and techniques.
3. To foster an appreciation and understanding of the impact of technology on individuals, society, and the environment.
4. To encourage collaboration, communication, and teamwork through group projects and activities.
5. To promote a safe and responsible attitude towards the use of tools, equipment, and materials in classrooms.

Curriculum Provision:

1. Planning and Delivery:
   - Teachers will follow the Kapow Primary Scheme of Work as the basis for planning and delivering D&T lessons.
   - Lessons will be sequenced logically, building upon previous knowledge and skills, and providing opportunities for both individual and collaborative work.
   - Cross-curricular links will be made where appropriate, integrating D&T with other subjects such as Science, Mathematics, Computing and Art.

2. Designing and Making:
   - Students will be encouraged to generate design ideas, consider the needs of the intended user, and select appropriate materials and tools for their projects.
   - They will learn to develop their designs through sketching, modelling, and prototyping, making revisions and improvements based on feedback.

3. Practical Skills:
   - Students will be taught a range of practical skills, such as measuring, cutting, shaping, joining, and finishing materials.
   - They will learn to use tools and equipment safely and effectively, following guidelines and demonstrating respect for others and the environment.

4. Understanding Structures and Mechanisms:
   - Students will explore different structures and mechanisms, investigating their properties, strengths, and limitations.
   - They will learn about stability, balance, forces, and the principles of simple machines, applying this knowledge in their own designs.

5. Evaluating and Improving:
   - Students will be encouraged to evaluate their design ideas and products, considering criteria such as functionality, aesthetics, and user feedback.
   - They will learn to reflect on their work, identify strengths and areas for improvement, and make modifications to enhance their designs.

6. Using Technology:
   - Students will develop an understanding of how technology impacts daily life and society.
   - They will explore basic electronic systems, programming concepts, and digital tools to enhance their designs and create interactive projects.

7. Health and Safety:
   - The safety of students will be a priority during D&T lessons.
   - Teachers will provide clear instructions on the safe use of tools, equipment, and materials, and students will be supervised and guided appropriately.
   - Risk assessments will be conducted for practical activities, and necessary precautions will be taken to create a safe learning environment.

Assessment and Progression:

1. Formative assessment will be used to monitor students' progress and provide feedback for improvement.
2. Opportunities for self-assessment and peer assessment will be provided to encourage students to reflect on their work and set targets for development.
3. Progression in D&T will be mapped across year groups, ensuring that students build upon their skills, knowledge, and understanding as they move through the school.

Staff Development:

1. Staff will be provided with opportunities for continuous professional development in D&T, including training, workshops, and access to relevant resources.
2. Sharing best practices and collaboration among staff will be encouraged to enhance the quality of teaching and learning in D&T.

Partnerships and Community Involvement:

1. We will seek opportunities to engage with local businesses, organizations, and experts in relevant fields to enrich students' understanding of real-world applications of D&T.
2. Parents and guardians will be encouraged to support their child's learning in D&T through discussions, providing materials, and participating in related projects or events.

Resources and Environment:

1. Sufficient resources and materials will be provided to support practical activities in D&T.
2. The D&T storage areas will be maintained in a clean and organized manner, ensuring easy access to tools, equipment, and materials.
3. Sustainability will be promoted by encouraging the reuse and recycling of materials and considering the environmental impact of design choices.

Monitoring and Review:

1. The effectiveness of the D&T curriculum and policy will be regularly reviewed through staff meetings, student feedback, and monitoring of student outcomes.
2. Any necessary adjustments or improvements to the curriculum, resources, or policy will be made to ensure the continued delivery of high-quality D&T education.

Communication:

1. The D&T policy will be shared with staff, students, parents, and governors to ensure transparency and understanding of the aims and objectives.

2. Regular communication will be maintained with parents/guardians through newsletters, parent meetings, and online platforms to provide updates on D&T activities and projects.

At Wodensfield Primary School, we are committed to providing an engaging, inclusive, and safe learning environment for D&T. By following the Kapow Primary Scheme of Work and implementing this policy, we aim to inspire creativity, develop practical skills, and foster a lifelong appreciation for design and technology among our students. Through collaborative projects, hands-on experiences, and a focus on critical thinking, we strive to equip our students with the skills and knowledge necessary to thrive in an ever-evolving technological world.