

Subject on a Page



Design and Technology

At Rolvenden, we want our children to develop their practical skills in DT and become confident and proficient with using different tools. We understand that the ability to plan, create and evaluate their work is something they will use in many aspects of their lives, and aim to give them the chance to explore this.



Intent - What do we aim to deliver?

DT is taught across three terms at Rolvenden, alternating throughout the year. The three units focus on different elements of DT to ensure our children have a breadth of skills taught to them, whilst giving them enough time to develop these. Each class has an hourly lesson every week.

Developing, planning and communicating ideas

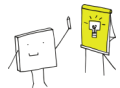
Children are able to develop ideas through a scenario-based discussion about purpose and audience. They know how they aim to achieve their goal, create a clear success criteria and decide what tools they will need.

Working with tools, materials and components to make a product.

Children can select appropriate tools and understand how to use them safely including food preparation. They know some joining techniques.

Evaluating processes and products.

Children can evaluate their work against the success criteria they created by carrying out simple tests. They can talk about what went well, and what they would do differently next time.



Implementation - How do we aim to deliver it?



Impact - How will we know when we have delivered it?

Information-rich Resources

Teachers use Planbee or Twinkl to assist their planning. They find or design a scenario to aid the development of a success criteria which the children will follow to design and build their products. Teachers are able to edit these resources and make them more suitable for their own classes.



TASC wheel

TASC (Thinking Actively in a Social Context) is a cross curricular tool which allows children to plan, make and evaluate their work. We apply it to D&T to give children a process to follow throughout the steps of their D&T units.



Working with tools and materials

Children have the chance to select the tools and materials they want to use. They will explore the properties of these materials to help them decide which ones are best suited to their product. They will be taught how to handle tools safely and effectively to create the outcome they desire and use tools they may not have used before.

High Levels of Engagement and Enjoyment

Children at Rolvenden enjoy DT and are able to generate ideas, create success criteria and plan based on processes they have already used with enthusiasm. They can talk effectively about what they plan to do or what they have already done while using technical language.

Ensuring Progress

After the creative section of their unit, the children have the chance to self assess their products by evaluating them against the success criteria. This self-assessment gives children the tools to improve on their process the next time they design something. Teachers can monitor the children's progress through observation and using verbal and written feedback.

Whole Curriculum Impact

Children are able to apply transferable skills to other subjects, such as thinking of a purpose for their work, ways in which to make it successful and what they could improve on if something did not go the way they expected.

