D & T Curriculum Intent

At Birklands Primary School, we believe that developing:

- Independent learners
- Creative thinkers
- Socially confident and responsible citizens
- Cultural knowledge

will provide our pupils with the positive powers to make a difference in their lives and break the cycle of deprivation associated with the area that we serve.

The impact of this is that through the teaching and learning of Design and Technology we:

- Develop pupils' abilities as 'consumers to evaluate existing products.
- Develop pupils' skills and knowledge as 'technicians' in the use of tools and materials.
- Develop pupils' skills as 'innovators' to design, make and evaluate products for a purpose.
- Learn about notable designers, inventors and engineers.
- Gain an understanding of safe use of tools and equipment.
- Develop an understanding of the design process of plan, make, evaluate.
- Develop understanding and application of the principles of nutrition and learning how to prepare food.

The Birklands Design and Technology curriculum gives children the opportunity to develop skills, knowledge and understanding of designing, making and evaluating functional products. Skills and knowledge are built on year by year and sequenced appropriately to maximise learning for all children. Design and Technology is taught through our topic based approach, allowing for cross-curricular links to be made. Pupils are encouraged to apply their knowledge from maths, science, computing and art, within these projects

Creativity and innovation are nurtured through design, and by exploring the designed and man-made world in which we all live and work. It encourages children to become independent, creative problem-solvers and thinkers.



THE PRINCIPLES OF INSTRUCTION

TAKEN FROM THE INTERNATIONAL ACADEMY OF EDUCATION

This poster is from the work of Banak Resembline who based these ten principles of instruction and suggested stassroom practices on-

- research on how the train acquires and uses new information.
- research on the classroom practices of those teachers whose displects show the highest game
- Sndings from studies that taught bearing strategies to students.

















IN NEW MATERIAL IN SMALL STEPS

03 ASK QUESTIONS



PROVIDE MODELS



05 GUIDE STUDENT PRACTICE



ON CHECK STUDENT UNDERSTANDING



07 OBTAIN HIGH SUCCESS RATE



SCAFFOLDS FOR DIFFICULT TASKS



09 INDEPENDENT PRACTICE



10 WEEKLY & MONTHLY REVIEW

