

Why?

- Our children have limited opportunities at home to develop basic skills due to limited quality family time.
- Many Wren's Nest children have limited cooking experiences as a family.
- Some of our families rely on food banks to supplement their income.
- D&T gives children the opportunity to develop skills, (cut, peel, grate, chop, measure, mark, shape, join, colour, decorate and finish) and develop knowledge and understanding of designing and making functional products.
- Children acquire and apply knowledge and understanding of materials and components, mechanisms and control systems, structures, existing products, quality and health and safety.
- Children gain knowledge about the properties of materials which helps in science and the practice of measuring accurately helps in maths. The skills learned in D&T also help with ICT through the children's use of computer control and, also in art and design.
- Design and Technology education helps develop children's skills through collaborative working and problem-solving, and knowledge in design, materials, structures, mechanisms and electrical control.
- Children are encouraged to be creative and innovative, and are actively encouraged to think about important issues such as sustainability and enterprise.
- To develop children and young people's practical designing and making ability, and their creativity in solving real and relevant problems.
- Through evaluation of past and present Design and Technology, children develop a critical understanding of its impact on daily life and the wider world.
- To encourage children to be ambitious for future career opportunities.
- Give children opportunities and life chances in line with their counterparts as many children don't have the opportunities to discuss D&T skills at home.
- Give children opportunities to excel in a subject with many practical skills.
- To give children the opportunities to test and evaluate their own ideas.

How?

- Building on knowledge, knowing more and remembering more
- Identify strengths and areas for skill development.
- Embed the children's D&T skills through practical, fun, engaging, hands on lessons and design projects.
- Develop children's problem solving and reasoning skills at all levels through appropriate design and technology projects.
- Develop staff confidence in the teaching and supporting of Design and Technology.
- Develop and progress the children's skills in Design and Technology.
- Give children opportunities to experiment with their ideas and take appropriate risks.
- Foster resilience by encouraging children to keep on trying.
- Promote an understanding of the importance of a healthy lifestyle.

What?

- Principles of nutrition are taught through the NHS Choices The Eatwell plate and Eight tips for healthy eating, progressing to energy and nutrients, diet and health, and nutritional needs throughout life.
- Develop the skills of working with different materials e.g. paper, card, wood and plastic and develop different techniques of cutting and joining e.g. scissors, glue, tape.
- Audit completed to identify resources needed for each year group.
- Reflect current topic by using a range of medium to create specific objects e.g. Gas mask, rainforest and houses.
- Some external visits are linked to D&T e.g. Avoncroft.