

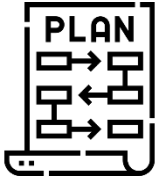
# PCSA D&T Curriculum – The Big Ideas

## #1 Communicating Ideas



- Creative and imaginative design
- Presentation and graphical skills
- Research and selection of information
- Ability to work collaboratively and in teams

## #2 Planning



- Awareness and application of Health & Safety
- Knowledge of materials, tools and processes
- Time management of tasks
- Ability to work independently
- Willingness to take a risk and learn from mistakes
- Understanding the design process

## #3 Manufacturing & Materials



- Application of Health & Safety
- Ability to choose and use appropriate materials
- Use CAD/CAM to make (and design) models and products
- Work within tolerances (accuracy)
- Understanding of sustainability
- Satisfaction of making products – raising self-esteem (well-being)

## #4 Evaluating



- Analyse and suggest improvements to own work
- Analyse work of others, including professional designers
- Test products and prototypes against a design brief and specification

## #5 Nutrition & Healthy Living



- Understanding of nutrients and the principles of nutrition
- Understand the function of ingredients within recipes
- Cultural awareness of food and ingredients
- Awareness of healthy living