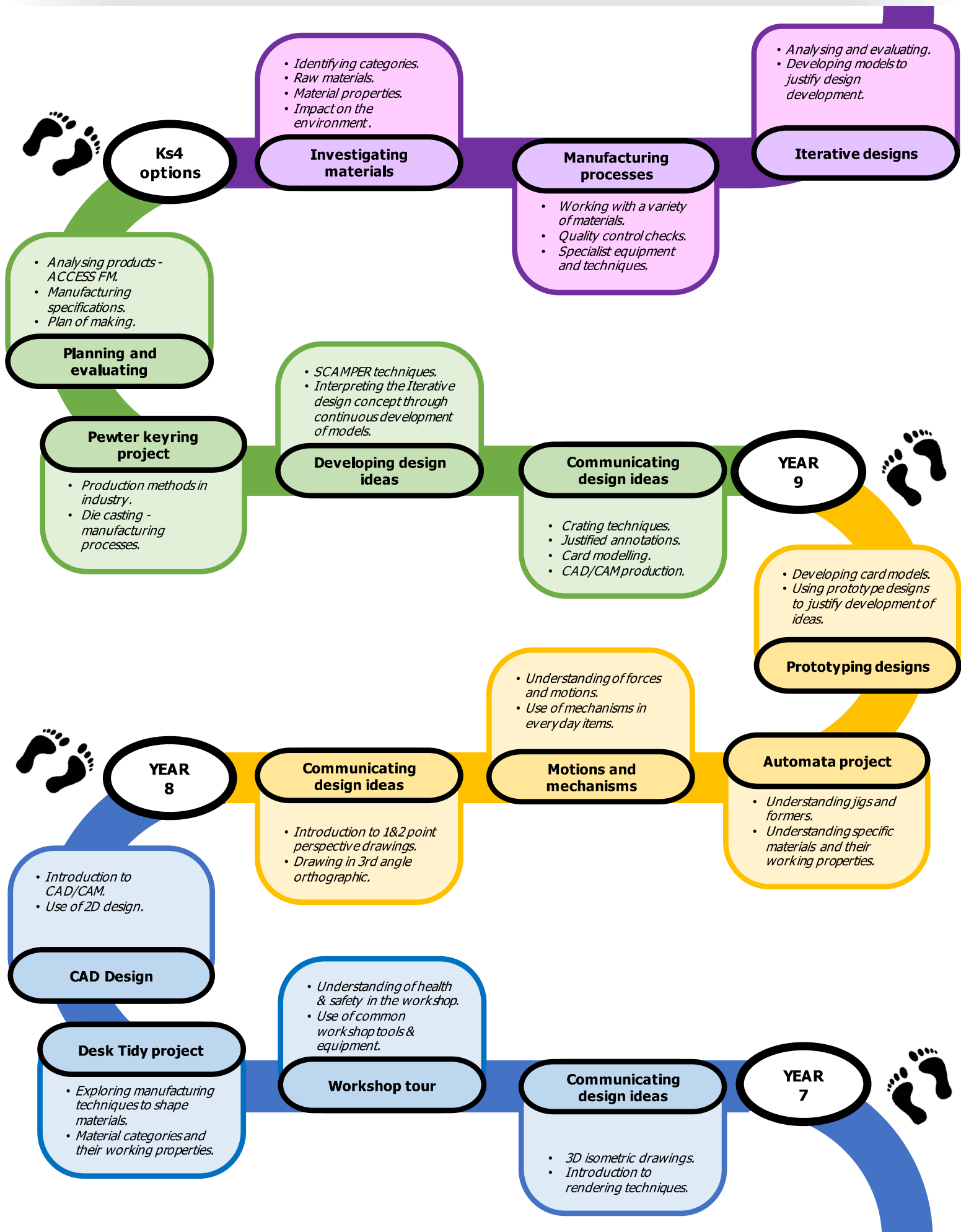




# Product Design Learning Journey – Ks3



# D&T Learning Journey - GCSE Non-Exam Assessment

## PRODUCT DESIGN

### Task Analysis

All possibilities identified and fully explored. Excellent understanding of problems and possible solutions.

### Client

Target Market identified. Comprehensive investigation of their needs and wants. Show how this influences designs.

### Influence

Full investigation into the work of others clearly informs design ideas.

### Ongoing

Evidence that the research has been used to develop designs throughout the project

### Brief

Detailed design brief. Explain how the clients needs and wants have been considered. Explain exactly how the identified problem will be solved.

### Techniques

Range of different techniques used to communicate design ideas. 2D, 3D, modelling, CAD. Evaluation of each idea with client opinion.

### Research

Research has clearly influenced each design idea

### Creativity

Lots of different ideas that could solve the problem. Full consideration of functionality, aesthetics and client wants and needs.

### Specification

Detailed design specification. Very high level of justification. Focus on the needs and wants of the user. Used to evaluate all design ideas against.

### Materials

Fully appropriate materials selected, showing extensive research into their working properties and availability.

### Modelling

Excellent modelling using a range of techniques. Models are fully evaluated against specification and client needs.

### Techniques

Range of technical design techniques used. Detailed sketching, 3D CAD, card modelling.

### Manufacturing Specification

Fully detailed manufacturing specification with comprehensive justification of all manufacturing points.

### Evaluate at every stage

All designs, models and the final product have been evaluated and improvements explained, including the reason why.

### Evaluate against specification

All aspects of the final product have been evaluated against the specification. All possible improvements explained.

### Client

Client feedback has been gained and fully evaluated at every stage, including designs, models and the final product. Explained how this feedback has or will lead to development.

### Quality Control

Quality control steps are used at every stage and are fully explained.

### Manufacturing

Range of tools and materials. High quality product. Suitable for the client.

### INVESTIGATING

### DESIGN BRIEF & SPECIFICATION

### GENERATING DESIGN IDEAS

### DEVELOPING DESIGN IDEAS

### REALISING DESIGN IDEAS

### ANALYSING & EVALUATING