

### Y7

#### Health & Safety

Workshops  
 Kitchens  
 Sewing machines



#### DT: Mechanimation

2D drawing skills: sketching  
 Creating design ideas  
 Design annotations  
 Modelling: card  
 Systems and control: batteries, switches, LEDs, resistors  
 Materials: hardwood & softwoods, MDF  
 Shaping and forming materials: coping saw, junior hacksaw, scroll saw, drilling  
 Joining materials: soldering, wood glue, rivets and star lock washers  
 Evaluation and analysis: Good and bad points, modifications



#### DT: Illuminations

Working with simple design briefs  
 Designing for a user  
 User needs and wants  
 Mood boards  
 The iterative design process  
 Modelling 2D CAD, card  
 CAD: 2D design; CAM: laser cutting  
 Systems and control: batteries, switches, LEDs, resistors  
 Materials: thermo and thermosetting plastics  
 Marking out skills: steel rules and tri squares  
 Shaping and forming materials: line bending, formers  
 Joining materials: soldering



#### Food & Nutrition

Why do we eat food?  
 Eat well plate  
 Healthy eating booklet  
 Eating more fruit & vegetables – salads, smoothies, pizza, cakes.  
 Evaluating practical work



Yr7-8 Food Club

#### Food Science and Preparation

Knife skills – peeling, claw and bridge. Enzymic browning, using the oven, rubbing in, creaming and melting methods  
 Raising agents, planning practical work  
 Sensory evaluation, evaluating practical work, yeast, making bread dough



#### Textiles: Cushion Cover

Techniques: applique, transfer printing, patch work, hand sewing  
 Sewing machine skills: straight stitch, reverse, hemming, seams  
 Materials: fabrics



### Y8