



HALL MEAD
SCHOOL



Design & Technology

Year 7 Transition, Departmental Information

Design and Technology

Here are our teaching rooms:



Workshop AG16



Workshop AG18



Graphics and CAD/CAM AG13

Your teachers:



Miss Stubbings



Mr Clark



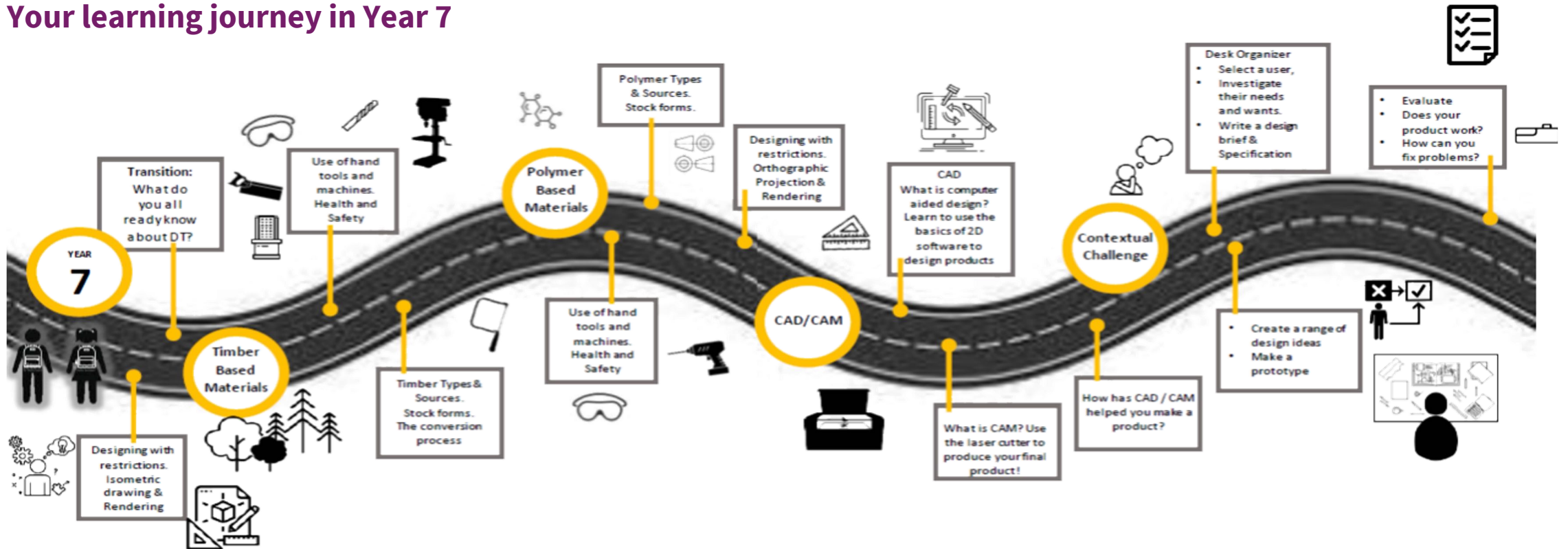
Mr Lewis



Miss Lloyd

Design and Technology

Your learning journey in Year 7




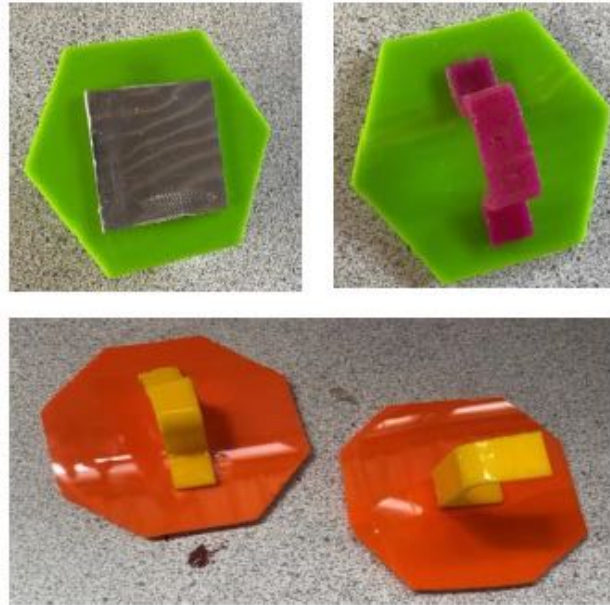
Timber Based Materials




This is focused practical task with a small design element. Students learn timber theory and skills when working with timber based materials. They learn how to:

- Measure and mark out
- Remove wastage by sawing, sanding and drilling
- Create a dowel joint
- Adhesives suitable for joining timber based materials

Polymer Based Materials

This is focused practical task. Students learn polymer theory and skills when working with polymer based materials. They learn how to:

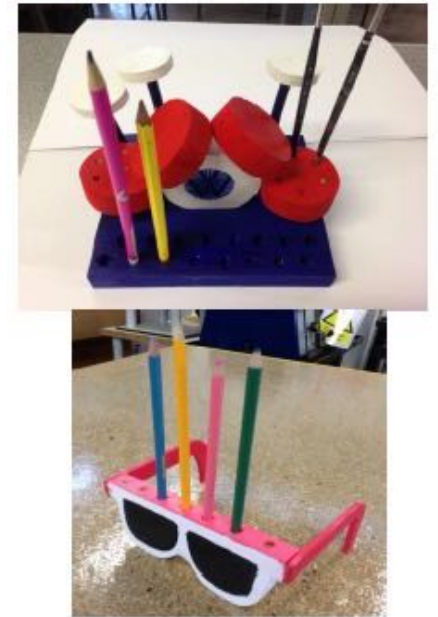
- Measure and mark out
- Remove wastage by sawing, sanding and filing
- Thermofforming using a strip heater
- Adhesives suitable for joining polymers

CAD/CAM




Students learn about computer aided design and computer aided manufacture. They use CAD software to draw put ideas for a simple product and then use CAM to make the product on a laser cutter.

Contextual Challenge

This project has more of a design focus and students can choose their own themes, materials and manufacturing processes. They will combine the skills and knowledge built up from the start of Year 7 to create a desk organizer for a user of their choice.