

DT: PRODUCT DESIGN



SKILLS

KNOWLEDGE

The future

- Study design in further education
- Work as an apprentice in industry
- Pursue an exciting career in the design/engineering world such as; film props designer maker, engineering, interior designer, jewellery designer and many more

Year 11

- NEA coursework. Research, investigation, writing a brief and specification. Followed by the iterative design process, practical work and evaluation. (50%)
- Revision for the exam (50%)

Year 10

- Learning how to create a range of wood joints
- Independently using the iterative designing process
- Applying CAD skills to create slot furniture
- Building knowledge of suitable finishes for a range of different materials and requirements
- Client focused research and design

Year 9

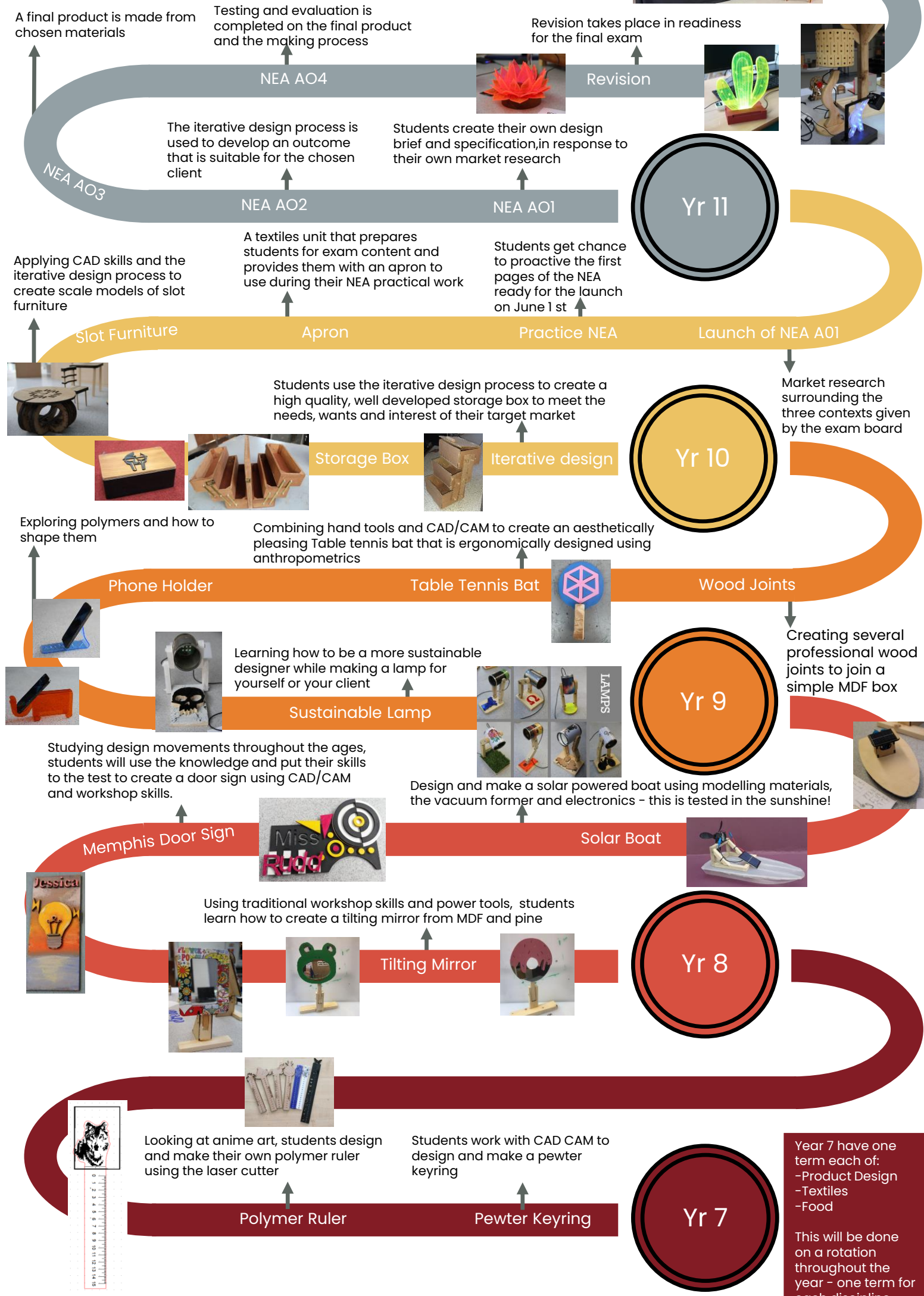
- Using sustainable materials within designing and making
- Creating a professional portfolio
- Learning to use the iterative design process to independently creating individual outcomes
- In depth knowledge of timbers and polymers
- Applying ergonomics and anthropometrics to design work

Year 8

- Workshop safety
- Measuring and cutting materials accurately by hand
- Learning how to read orthographic drawings
- Using power tools within the workshop
- Using renewable energy to create working projects
- Soldering techniques

Year 7

- Understanding the basics of CAD/CAM
- Exploring new and emerging technology
- Working with materials such as polymer and pewter
- Learning oblique 3d drawing techniques
- Applying finishing techniques



Year 7 have one term each of:

- Product Design
- Textiles
- Food

This will be done on a rotation throughout the year - one term for each discipline