

DESIGN & TECHNOLOGY KS5: Year 13



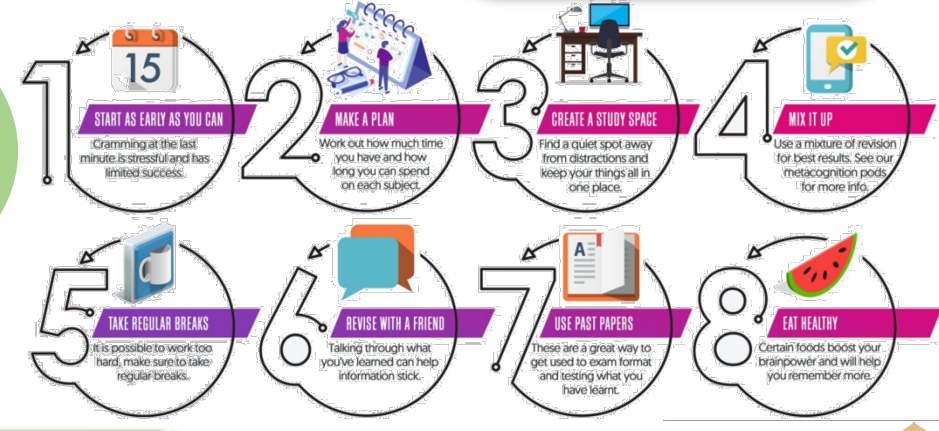
Preparation for further education or employment



ReVISION

Revision
 7 – Manufacturing processes and techniques
 8 – Viability of design solutions
 9 – Health & Safety
 M1 to M7 – Applying mathematics in a design and technology context

SUMMER 3:2



SUMMER 3:1

Revision
 1 – Identifying requirements
 2 – Learning from existing products
 3 – Implications of wider issues
 4 – Design thinking and communication
 5 – Materials and component considerations
 6 – Technical understanding

S3 – Know the physical properties of materials

SPRING 2:2

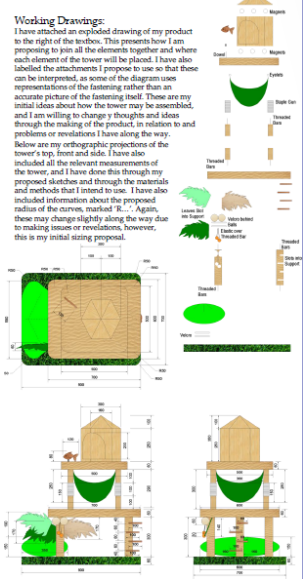
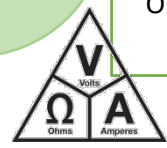
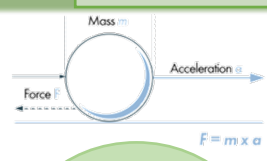
NEA
 • Manufacture of the final prototype
 • Analysis against specification
 • Marketing & Advertising plan
 • Lifecycle analysis and testing
 • Improvements and modifications

S2 – Describe the conditions which cause degradation

SPRING 2:1

NEA
 • Plan of making and risk assessment
 • Manufacture of final prototype

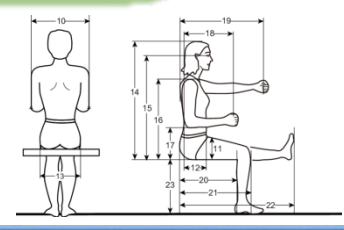
S1 – Use scientific laws
 Newton's law of motion
 Hooke's law
 Ohm's law as appropriate to the designed product



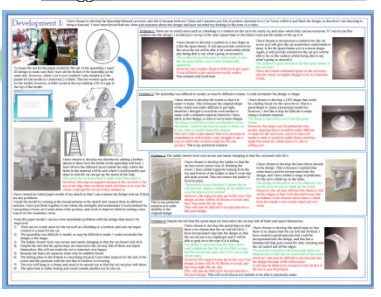
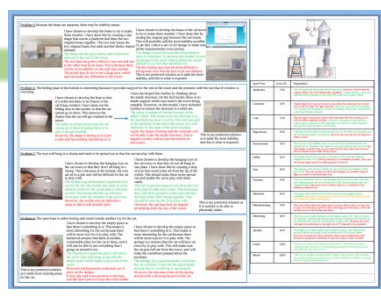
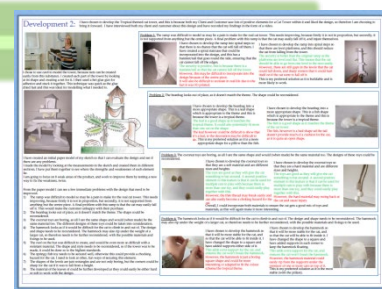
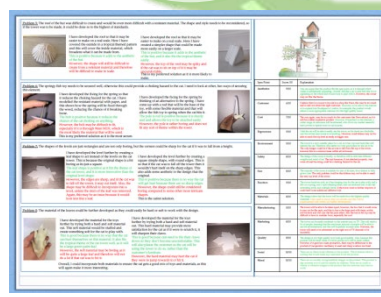
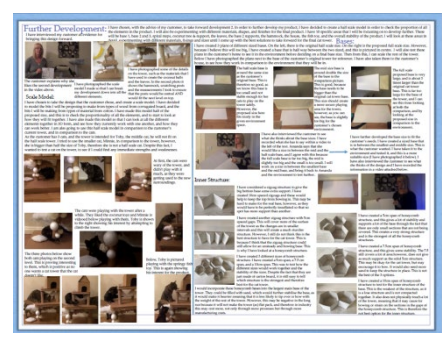
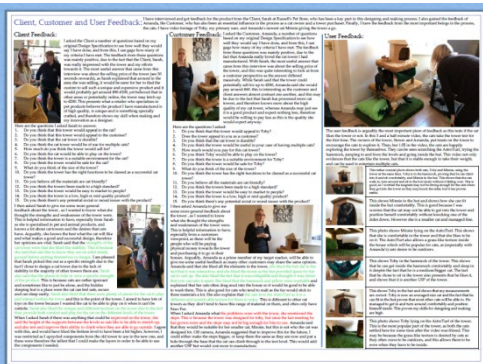
AUTUMN 1:2

NEA
 • Initial design developments
 • Further design developments
 • Final design solution

M7 – Anthropometrics and probability



AUTUMN 1:1



OUR LEARNING JOURNEY

In year 13, you will combine your knowledge and skills to produce a final prototype in answer to your chosen design context. You will coordinate with clients and stakeholders to create a highly skilled final design solution.