Bishop Heber High School

Subject	Year	Term
Design and Technology	7	1

Topic

D&T – Skills (Woods, metals and plastics)

Content (Intent)

Prior Learning (Topic) KS2 (Primary National Curriculum)

Students will have an introduction to D&T including Safety, Graphical Techniques, Materials and Design Matters They will learn the theory behind the different categories and properties of the materials as well as design and make a trinket box, metal key ring and a mobile phone stand.

Future Learning (Topic) Year 7 Food Preparation and Nutrition

What Knowledge and Skills will be taught (Implementation)	How will your understanding be assessed & recorded (Impact)
The students learn the importance of safe working practices and good organisation. The aims are to: • Introduce the students to the workshop • Recognise the need for rules to establish safe working practices • Students start to understand what it is to be a designer. • To learn how to design for a client • Continue to develop drawing and communications skills • Drawing and communications skills are developed • Students learn about the nature of the materials and the tools and equipment used in the subject. • Students are able to use basic CAD. • Develop independence in the workshop • Students learn about the nature of the woods and plastic and the tools and equipment used with them.	**Assessment** Several composite assessments will be used to move learning forward throughout the term. Students will be assessed on the Design and Technology, stands of assessment - Identifying a Problem, Making and Evaluation. Using the Success Sheets, students will self-assess their work and be given directed lesson time to improve their outcomes. The teacher will then mark the piece. These composite assessments, along with the summative assessment test, will contribute to the summative report that is reported to parents.

How can parents help at home?

Students will be given homework once a fortnight and must complete this work in their exercise books.
Encourage students to watch documentaries such as “In the Factory” and “War on Plastics”

Helpful further reading/discussion (including Reading and Vocabulary Lists)

Reading

www.technologystudent.com
No One Is Too Small to Make a Difference: Greta Thunberg
ISBN - 0141991747

Vocabulary Lists

Wood
Plastic
Isometric
Perspective
Crating
One-point Perspective
Lap Joint
Pillar drill
Finish
Rendering
Line Bending
Questionnaire
Glass Paper
Hegner Saw
Primary Research
File
Disk Sander
Secondary Research
Comb joint
Coping Saw