Bishop Heber High School

Subject	Year	Term
Design and Technology	7	1

Topic

Graphics and D&T1

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 Students will focus on three main areas – Graphics, woods and plastics. They will learn the theory behind the different categories and properties of the materials as well as design and make two products based on the two material categories.

Future Learning (Topic) Engineering 1 and Understanding 1

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. • 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.	**Assessment** Students will be assessed on Designing Skills using the Success Sheets. Students will also complete an end of unit assessment to assess their subject knowledge
The students learn how design for client using woods. The aims are to: • Develop independence in the workshop • To learn how to design for a client • Continue to develop drawing and communications skills • Students learn about the nature of the woods and the tools and equipment used with them.	**Assessment** Students will be assessed on Making Skills using the Success Sheets. Students will also complete an end of unit assessment to assess their subject knowledge

How can parents help at home?

Students will be given homework every week 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