Bishop Heber High School

Subject	Year	Term
Design and Technology	8	1

Topic

Design and Technology

Content (Intent)

Prior Learning (Topic) Food and Nutrition

Year 8 Design and Technology is a continuation of the work undertaken in Year 7, building on and extending the subject knowledge to introduce a new set of skills that enable students to become further involved and excited by the subject.
The focus in Year 8 will be systems and control and design history

This students will make a light.

Future Learning (Topic) Design and Technology & Textiles

What Knowledge and Skills will be taught (Implementation)	How will your understanding be assessed & recorded (Impact)
Students follow a varied curriculum that is focused on developing knowledge through practical work. • An introduction to Mechanisms • Programmable robots • Electronics • Design history taught through a design and make activity • There is still an emphasis on developing subject knowledge of Health and Safety and materials but this is done through application of the prior knowledge. Students will design and make a lamp based upon a design movement of their choice.	**Assessment** Throughout the unit students will be introduced to the sub-skills of designing, which they will employ to solve the assessed design tasks. Each unit is individually assessed through teacher assessment and the final end of year level and report is based on all work complete. Main areas of assessment – Identification of a problem Design development Making Evaluating Subject knowledge and understanding

How can parents help at home?

Students will be given a homework booklet that they need to complete once a week. Please check through this.

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

Reading
www.technologystudent.com
https://designmuseum.org/

Vocabulary Lists
Gears
Pulleys
Levers
Programing
Printed Circuit Board
Resistor
Switch
Light Emitting Diode