



Subject		Year	Term
Design and Technology		8	1
Topic			
D&T			
Content (Intent)			
Prior Learning (Topic)		Year 7 D&T	
<p>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</p> <p>This students will learn to program robots make a light.</p>			
Future Learning (Topic)		Year 9 D&T	
What Knowledge and Skills will be taught (Implementation)		How will your understanding be assessed & recorded (Impact)	
<p>Students follow a varied curriculum that is focused on developing knowledge through practical work.</p> <ul style="list-style-type: none"> An introduction to Mechanisms Programmable robots Electronics Design history taught through a design and make activity <p>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.</p> <p>Students will design and make a lamp based upon a design movement of their choice.</p>		<p><u>Assessment</u></p> <p>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.</p> <p>Main areas of assessment –</p> <p>Identification of a problem Design development Making Evaluating Subject knowledge and understanding</p>	
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)			
<p>Reading</p> <p>www.technologystudent.com https://designmuseum.org/</p>		<p>Vocabulary Lists</p> <p>Gears Pulleys Levers Programing Printed Circuit Board Resistor Switch Light emitting diode</p>	