

Design and Technology Homework Task

Subject	Design and Technology	
Module Title	Electronics	
Year Group - 9	Term - any	
<p>Context of the task This homework covers electronics. It is to give you the opportunity to develop your knowledge of electronic components and the systems approach used to describe circuits. The teacher will discuss the task during a lesson prior to setting the homework.</p>		
<p>Objective of the Task</p> <ul style="list-style-type: none"> • to develop knowledge of electronic tools and how to use them • to develop knowledge of electronic components 		
<p>Outline of the task In this task you must research tools and electronic components. You are to produce 2 pieces of information in your text book,</p> <p>Firstly, you should investigate the components used in your circuit and clearly present the circuit symbol and explanation for each component used. The components used are: resistor, transistor, preset resistor, light emitting diode (LED), light dependent resistor (LDR) or Thermister.</p> <p>Secondly you need to explain how the systems approach is used to describe your sensor circuit (The systems approach uses input, process, output) the following resources below will help explain the systems approach</p> <p>You will need to use the internet, text books and other resources to provide detailed answers to this homework.</p>		
<p>Expectations/Timing 1 homework sessions</p>		
<p>Suggested Resources http://www.technologystudent.com/elec1/elecex.htm http://www.technologystudent.com/elec1/compn2.htm http://www.technologystudent.com/elec1/compn3.htm http://www.technologystudent.com/elec1/comps1.htm http://www.technologystudent.com/elec1/stelec1.htm http://www.technologystudent.com/elec1/consys1.htm http://www.technologystudent.com/elec1/consys2.htm</p>		
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