

**Design Technology – Year 3 – Term 2**  
**Unit 2 - Design and Make a Novelty Clock**  
**Al Jazeera Academy**

**MIDDLE YEARS PROGRAMME: 2009 - 2010**

Topics	Objectives	Areas of Interaction	Assessment Criteria
<p>Recap: Safety</p> <p>Why is time important?</p> <p>How do we tell the time?</p> <p>What are the different ways of telling the time?</p> <p>What types of clocks are there?</p> <p>What different types of materials are used to make clocks?</p> <p>What is the difference between soft and hard wood?</p> <p>What is grain?</p> <p>What is a knot that is found in wood?</p> <p>How do we tell how old a tree is?</p> <p>Why do we evaluate our work?</p>	<p><b>Investigate:</b>                      Students will identify the problem to be solved.                      They will investigate and formulate a specification.</p> <p><b>Design:</b>                      They will generate several feasible designs to meet their specification.                      They will select one design and justify their choice.</p> <p><b>Plan:</b>                      They will construct a plan, evaluate their plan and justify any modifications to their design.</p> <p><b>Evaluate:</b>                      They will: -                      Carry out tests to evaluate their design against their specification.</p> <p>Evaluate their performance at each stage of the design cycle.</p> <p><b>Attitudes in technology:</b>                      They will: -                      Use materials and techniques safely and responsibly.                      Work effectively.                      Consider others                      Provide evidence of personal engagement.</p> <p><b>Students will develop an understanding of:</b></p> <p>The MYP design cycle.</p> <p>Safe working practices.</p> <p>Designing and making a product.</p> <p>Marking out accurately.</p> <p>Using wood in industry?</p> <p>Sawing, chiseling and drilling correctly, and safely.</p> <p>Finishing a product.</p> <p>Evaluating their work.</p>	<p><b>Human Ingenuity:</b></p> <p>Why and how do we create?</p> <p>We create things to make life easier for our selves and others.</p>	<p><b>MYP Design Technology.</b></p> <p>MYP Design Technology assessment criterion:</p> <p>A – investigation (/6)                      B – design (/6)                      C – plan (/6)                      D – create (/6)                      E – evaluate (/6)                      F – attitudes in technology (/6)</p> <p>Total: 36 points</p> <p>Students will be assessed by:</p> <p>Outcome                      Workbooks                      Observation i.e.                      (attitude &amp; safety)                      End of term exam</p>