

Design Technology – Year 1 – Term 2
Unit 1 – Design and Make a Travel Game and Packaging
Al Jazeera Academy
MIDDLE YEARS PROGRAMME: 2009 - 2010

Topics	Objectives	Areas of Interaction	Assessment Criteria
<p>Recap: Safety</p> <p>Why do we travel?</p> <p>What types of travel are there?</p> <p>How do we amuse ourselves whilst traveling?</p> <p>What is a travel game?</p> <p>What are the important characteristics of a travel game?</p> <p>i.e.</p> <p>Cost</p> <p>Size</p> <p>Interesting</p> <p>Amusing</p> <p>Time consuming</p> <p>What is the difference between soft and hard wood?</p> <p>Why is wood painted or varnished?</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>Investigate: Students will identify the problem to be solved. They will investigate and formulate a specification.</p> <p>Design: They will generate several feasible designs to meet their specification. They will select one design and justify their choice.</p> <p>Plan: They will construct a plan, evaluate their plan and justify any modifications to their design.</p> <p>Evaluate: 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>Attitudes in technology: They will: - Use materials and techniques safely and responsibly. Work effectively. Consider others Provide evidence of personal engagement.</p> <p>Students will develop an understanding of:</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>Human Ingenuity:</p> <p>Why and how do we create?</p> <p>We create things to make life easier for our selves and others.</p>	<p>MYP Design Technology.</p> <p>MYP Design Technology assessment criterion:</p> <p>A – investigation (/6)</p> <p>B – design (/6)</p> <p>C – plan (/6)</p> <p>D – create (/6)</p> <p>E – evaluate (/6)</p> <p>F – attitudes in technology (/6)</p> <p>Total: 36 points</p> <p>Students will be assessed by:</p> <p>Outcome</p> <p>Workbooks</p> <p>Observation i.e. (attitude & safety)</p> <p>End of term exam</p>