

## Year 9 – Homework Tasks – Candle Holder Project

Please complete the homework tasks when they are set by your class teacher



No.	Task outline	Teacher comments
<b>Task 1</b>	<p>Present some detailed research into aluminium:</p> <p>Find out where aluminium comes from and how it's made</p> <p>Give some examples of what aluminium is used for and why.</p> <p><b>EXTENSION: Present the same information about another metal</b></p>	
<b>Task 2</b>	<p>Materials have properties that can be useful or that can be a problem. Your candle holder is made of aluminium – find out the 4 main properties of aluminium that make it useful for making your candle holder.</p> <p><b>EXTENSION: The big question: What is an alloy and how are they useful?</b></p>	
<b>Task 3</b>	<p>You need to learn these spellings for a spelling test next lesson.</p> <p><b>1. Aluminium 2. Dividers 3. Pillar Drill 4. Vinyl 5. Hammer 6. Brazing Hearth 7. Anvil 8. File 9. Centre Punch 10. Fret Saw</b></p> <p><b>EXTENSION: Try to put them in a sentence to help yourself learn these words.</b></p>	
<b>Task 4</b>	<p>3D printing is becoming a very interesting new way to design and test new products. You need to research the subject of 3D printing and try to answer the following questions:</p> <p><b>1. What is P.L.A. filament?</b> <b>2. What is it made from?</b> <b>3. What industries use 3D printing today?</b> <b>4. Tell us how they use 3D printing</b></p> <p><b>EEXTENSION: What will we use 3D printing for in the future?</b></p>	