

Year group 7	Subject: Tea light Holder
National curriculum	<p>DT Make S 79.01: Select from and use specialist tools, techniques, processes, equipment and machinery precisely, including computer-aided manufacture.</p> <p>DT Make S 79.02: Select from and use a wider, more complex range of materials, components and ingredients, taking into account their properties.</p> <p>DT Evaluate S 79.03: Test, evaluate and refine their ideas and products against a specification, taking into account the views of intended users and other interested groups.</p>
Rationale	Students have limited and varied experiences of DT in Primary school due to lack of facilities and expertise. We want them to gain experience and confidence in different materials, tools and machines. Our fourth project involves natural wood which builds on the work with manufactured plywood in project 1, and sheet aluminium, which introduces students to metal materials. We continue to look at the source and disposal of different materials, and use specialist machines and tools. Isometric sketching builds on the oblique drawing from project 2, whilst rendering skills from project 1 are reinforced. Drilling larger holes in natural timber using a forstner bit is a next step up from previous drilling tasks.
Vocabulary:	Keywords - Natural forms, Initial ideas, Creative, Forstner bit, Coping saw, Metalwork file, Planishing, aluminium, metalwork file
Cultural Capital:	Students understand where materials are sourced from, whether they can be recycled, and how they are disposed of. This will make them informed consumers.
Key assessments- name the assessments	<p>Assessment grid of tasks to show achievement and progress across the module.</p> <p>The practical outcome is peer assessed.</p> <p>A more detailed written evaluation is teacher marked.</p>
What do children know/ can do now (EDSM)	Students can cut, shape and finish natural wood and sheet aluminium. They are able to answer questions about the source and disposal of different materials, and they are able to emboss and planish aluminium for decoration.