

MYP TECHNOLOGY YEAR 2

JEWELLERY PROJECT

[Information] [Materials]

UNIT QUESTION:

What do people find aesthetically pleasing?

Context:

The Jewellery Project will introduce Technology students to the working properties of materials. (Wood Metal & Plastics). Students will explore the materials and make appropriate design choices based upon this exploration. The concept of aesthetics will also be examined with a focus upon what various groups in the community find aesthetically pleasing and why.

Task:

Different people in society find very different things attractive and appealing. Your task is to design and make a piece(s) of body adornment for a specific **demographic** of your choice. You must first decide on your demographic and find out what they find **aesthetically** pleasing.

Information:

Communication of information using appropriate I.T. to produce a Design Folio.

Graphic Communication.

Research

Materials:

Properties of materials. (Timber, metal & plastics)

Working with metal. (Heat treatment, casting, soldering, enameling)

Working with plastics. (Forming, cutting, gluing, finishing)

Working with timber. (Marking, cutting, gluing, finishing)

Areas of

Interaction:

ATL

Research, Analysis, Communication, Problem Solving, Organization

HI

Body adornment, Jewellery design, demographics, aesthetics.

OBJECTIVES

- Use of the design cycle.
- Undertake meaningful and relevant research.
- Gain manufacturing skills.
- Understand the properties of materials.
- Manage time & resources.
- Critically evaluate own work.

ASSESSMENT

- Create a Design Folio following the Design Cycle.
- Research into the needs of a demographic
- Provide several possible solutions and justify final choice.
- Create solution to appropriate standard.
- Test & evaluate solution.
- Justify any changes.
- Evaluate design in terms of AOI.

Assessment Criteria-Year 9 “Jewellery Project”

	LEVEL 5 - 6	LEVEL 3 - 4	LEVEL 1 - 2
INVESTIGATE	<p>I have clearly re-written the Design Brief in my own words, mentioning the intended demographic and written relevant guiding questions.</p> <p>I have completed a thorough product analysis with relevant and insightful annotation, researched relevant manufacturing techniques indicating possible applications and conducted a survey indicating how the results will influence your designs.</p>	<p>I have clearly re-written the Design Brief in my own words and have written relevant guiding questions.</p> <p>I have a complete product analysis with relevant annotation, researched relevant manufacturing techniques and conducted a survey with comments on the results.</p> <p>I have written a Specification with clear and relevant points that demonstrate a good understanding of the problem.</p>	<p>I have written a Design brief.</p> <p>I have written a guiding question.</p> <p>I have attempted some product analysis, researched into some manufacturing techniques and conducted a survey.</p>
DESIGN	<p>I completed 4 designs of good quality with annotation, each design evaluated against the specification.</p> <p>I justified the chosen design and critically evaluated against the design specification.</p>	<p>I completed 4 designs of good quality with annotation and justified my chosen one.</p> <p>I evaluated my design against the design specification.</p>	<p>I completed less than four game designs and with some attempt to justify against the specification.</p>
PLAN	<p>I produced a comprehensive materials list and a well-considered, detailed Gantt chart with a number of logical steps that include resources and time.</p> <p>I critically evaluated and justified any modifications to my design.</p>	<p>I produced a detailed materials list and a detailed Gantt chart with a number of logical steps that include resources and time.</p> <p>I made some attempt to evaluate my planning.</p>	<p>I produced a basic materials list with a Gantt chart showing some details of steps and/or resources required.</p>
CREATE	<p>I competently used appropriate jewellery making techniques.</p> <p>I followed my plan and justified any modifications.</p> <p>I completed a thorough Process Journal, complete with photographs detailing various stages of production.</p> <p>I created several, original items of jewelry appropriate quality and justified how they would appeal to my demographic.</p>	<p>I used jewellery-making techniques as demonstrated.</p> <p>I kept a process Journal indication each step in the production of my jewellery.</p> <p>I created jewellery of satisfactory quality suitable for my chosen demographic.</p>	<p>I considered a plan and created an item of jewellery.</p> <p>I followed the teacher's instructions.</p>
EVALUATE	<p>I gauged the success of my jewellery and evaluated objectively based on the results of testing and views of intended users.</p> <p>I produced an evaluation at each stage of design cycle, suggesting improvements.</p>	<p>I evaluated my jewellery and own performance, suggesting what could be improved.</p> <p>I tested my jewellery on the target audience and evaluated against the design specification.</p> <p>I evaluated my use of the design cycle with insight.</p>	<p>I evaluated my jewellery or my own performance.</p> <p>I made some attempt to test my product/solution.</p>