

**Significant Concept:**

People express their identity in different ways.

**Unit Question:**

*What do people like?*

Discovery College [Technology Web Site:](https://sites.google.com/a/dc.edu.hk/technology/)

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**Area of Interaction:** Health & Social .

*People naturally from social networks, modern tribes, to find a sense of belonging.*

***ATL:*** Transfer: Making connections.

Information Literacy: Web based ePortfolios

**Context.**

The Jewellery Project will reinforce student’s understanding of the properties of timber, metals and plastics and how these influence design. 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, tribes, in the community find aesthetically pleasing and **why**.

**Task:**

Different people in society find very different things attractive and appealing. Manufactures are always striving to find the next big thing and often this comes from the ‘modern tribes’ found in society. Your task is to design and make a piece(s) of body adornment for a specific tribe **(demographic)** of your choice. You must first decide on your demographic and find out what they find **aesthetically** pleasing.

**Attitude: Level: 6**

**Plan: Level: 6**

**Design: Level: 6**

### **Assessment**

**Create: Level: 6**

**Evaluate: Level: 6**

**Investigate: Level: 6**

Year 10: Heavy Metal [Materials]

MYP Technology

You will follow the Design Cycle to complete this task. I have created a checklist for you to follow for each stage of the Design Cycle complete with due dates. I will assess each section independently and then the whole Design Folio will be submitted for final assessment.

Remember to use your Google Site during this unit!

Year 10: Jewellery [Materials]

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|  | **Assessment Criteria: A - Investigate** | |
| **5-6** | You have **explained** the problem, **discussing** its relevance. You have critically investigated the problem, **evaluating** information from a **broad** **range** of **appropriate, acknowledged** sources. You have described **detailed** methods for appropriate testing to **evaluate** the product/solution against the design specification. |  |
| **3-4** | You have **described** the problem, **mentioning** its relevance. You have investigated the problem, **selecting and analysing** information from **some** **acknowledged** sources. You have **described** a test to **evaluate** the product/solution against the design specification. |  |
| **1-2** | You have **stated** the problem. You have investigated the problem, **collecting** information from sources. You have listed some specifications. |  |

**Investigate**

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| **Investigate: [Due: Sept 24th]**  **Identify the Problem. (Research)**   * Write some **guiding questions** * Explain the **AOI.** * Complete **Product Analysis** * Write a Design Brief explaining **what** you will design, **who** you are designing for and **why**.   **Develop the Design Brief**   * Conduct further research into your chosen demographic (tribe) * Design a survey to establish likes/dislikes of your demographic * Complete **research** into the properties of timber, metals and plastics * Complete **research** into jewellery making techniques.   **Formulate a Design Specification**   * Write a **detailed** Design Specification * Design a **test** to gauge the success of your completed product | **Investigate- Tips for Success**  [www.myp-tech.wikispaces.com](http://www.myp-tech.wikispaces.com) |

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|  | **Assessment Criteria: B- Design** | |
| **5-6** | You have generated a **range** of **feasible** designs, **each evaluated** against the design specification. You have justified the chosen designand **evaluated** it fully and critically against the design specification. |  |
| **3-4** | You have generated **a few** designs, **justifying** the choice of **one** design and fully **evaluating** this against the design specification. |  |
| **1-2** | You have generated **one** design, and made **some attempt to justify** this against the design specification. |  |

**Design**

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| **Design**: **[Due: 8th Oct** ]  **Design a product or Solution**   * Experiment with materials and manufacturing techniques record your observations. * Sketch **several, feasible** designs and annotate thoroughly. * Evaluate **all** designs against the Design Specification. * Justify your chosen design(s). | **Design- Tips for Success** |

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|  | **Assessment Criteria: C - Plan** | |
| **5-6** | You have produced a plan that contains a **number** of **detailed, logical** steps that describe the use of resources and time. You have criticallyevaluated the plan and justified any modifications to the design. |  |
| **3-4** | You have produced a plan that contains a number of **logical** steps that include resources and time. You have made some attempt to evaluate the plan. |  |
| **1-2** | You have produced a plan that contains **some details** of the steps and/or the resources required. |  |

**Plan**

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| **Plan: [Due: ]**  **Plan a Product or Solution**   * Write a **detailed** materials and component list * Write a **detailed** Production Plan for how you will make your jewellery items. * Evaluate your plan and explain any changes. | **Plan- Tips for Success** |

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|  | **Assessment Criteria: D - Create** | |
| **5-6** | You have **competently used** appropriate techniques and equipment. You have followed the plan and **justified** any modifications made, resulting in a product/solution of **appropriate** quality using the resources available. |  |
| **3-4** | You have **used** appropriate techniques and equipment. You have followed the plan and **mentioned** any modifications made, resulting in a product/solution of **good** quality. |  |
| **1-2** | You have considered the plan and created at least **part** of a product/ solution. |  |

**Create**

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| **Create: [Due: ]**  **Create the Product or Solution**   * Create your jewellery items to the best of your ability.   **Use Appropriate Techniques and Equipment**   * Keep a **detailed** Process Journal each lesson. Use multi media where appropriate.   **Follow the Plan**   * Follow your production plan a explain **any** changes. | **Create- Tips for Success** |

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|  | **Assessment Criteria: E - Evaluate** | |
| **5-6** | You have evaluated the success of the product/solution in an objective manner based on the **results of testing**, and the **views of the intended** **users**. You have provided an evaluation of your own performance **at** **each stage of the design cycle** and suggested improvements. You have provided an appropriate evaluation of the **impact** of the product/solution on life, society and/or the environment. |  |
| **3-4** | You have evaluated the product/solution **and** your own performance and suggested ways in which these could be improved. You have **tested** the product/solution to evaluate it against the design specification. |  |
| **1-2** | You have evaluated the product/solution **or** your own performance. You have made some **attempt to test** the product/solution. |  |

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| **Evaluate: [Due: ]**  **Evaluate your Product or Solution**   * Test and your jewellery on your chosen demographic and explain improvements. * Evaluate your completed project against the Design Specification. * Suggest improvements to your final product(s)   **Evaluate your Use of the Design Cycle.**   * Evaluate your use of the Design Cycle. * Evaluate the AOI and your understanding of the ‘Big Picture’ * Evaluate your personal engagement in the project. (effort and attitude.) | **Evaluate- Tips for Success** |

**Evaluate**

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|  | **Assessment Criteria: F - Attitude** | |
| **5-6** | You have **consistently** displayed a satisfactory standard in personal engagement (motivation, independence, general positive attitude) **and** attitudes towards safety, cooperation and respect for others. |  |
| **3-4** | You have **frequently** displayed a satisfactory standard in personal engagement (motivation, independence, general positive attitude) **and** attitudes towards safety, cooperation and respect for others. |  |
| **1-2** | You have **occasionally** displayed a satisfactory standard in personal engagement (motivation, independence, general positive attitude) **or** attitudes towards safety, cooperation and respect for others. |  |

**Attitude**