**MYP TECHNOLOGY YEAR 5**

**Heavy Metal**

[Materials]

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| **Significant Concept:**  People express their identity in many different ways | **Unit question:**  Why do people like what the like? |
| **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. | |

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| **Areas of**  **Interaction (AOI):** | **Student learning Expectations (SLE’s)** |
| **Approaches to Learning** | ***Reflection***: Being self aware and accepting ***Connecting Ideas:*** Appreciate culture. |
| **Health & Social Education** | ***Awareness***: Of the need for people to belong  ***Refection***: How people express their identity  ***Action***: Create your own modern tribal jewellery |



**The Design Cycle**

You will follow the Design Cycle to complete these tasks. I have created a checklist for you to follow as you address the MYP Technology learning objectives. I will assess each section of the Design Cycle independently and then the whole Design Folio will be submitted for final assessment.

Please refer to my wiki for help. [www.myp-tech.wikispaces.com](http://Www.myp-tech.wikispaces.com)

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**Objectives & Assessment**

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| **MYP Technology Objectives** | **Assessment Tasks** |
| **Investigate Objectives:**  **Identify the Problem. (Research)**   * Evaluate the importance of the problem for life, society and the environment. * Outline the design brief.   **Develop A Design Brief.**   * Formulate and discuss appropriate questions that guide the investigation. * Identify and acknowledge a range of appropriate sources of information. * Collect, analyse, select, organize and evaluate information. * Evaluate the sources of information.   **Formulate a Design Specification.**   * List the specific requirements that must be met by the product/solution. * Design tests to evaluate the product/solution against the design specification. | **Investigate Tasks:**  **Identify the Problem. (Research)**  **Develop A Design Brief.**  **Formulate a Design Specification.**  . |
| **Design Objectives**:  **Design a Product or Solution**   * Generate several feasible designs that meet the design specification * Evaluate the designs against the design specification * Select one design and justify its choice. | **Design Tasks:**  **Design a Product or Solution** |
| **Plan Objectives:**  **Plan a Product or Solution**   * Construct a plan to create the product/solution that has a series of logical steps * Construct a plan to create the product/solution that makes effective use of resources and time * Evaluate the plan and justify any modifications to the design. | **Plan Tasks:**  **Plan a Product or Solution** |
| **Create Objectives:**  **Create the Product or Solution**   * Use a range of appropriate techniques and equipment competently. * Ensure a safe working environment for themselves and others.   **Use Appropriate Techniques and Equipment**   * Follow the plan to produce the product/solution. * Evaluate the plan and justify any changes to the plan (when necessary).   **Follow the Plan**   * Create a product/solution of appropriate quality. | **Create Tasks:**  **Create the Product or Solution**  **Use Appropriate Techniques and Equipment**  **Follow the Plan** |
| **Evaluate Objectives:**  **Evaluate your Product or Solution**   * Carry out tests to evaluate the product/solution against the design specification * Evaluate the success of the product/solution in an objective manner based on testing, their own views and the views of the intended user. * Evaluate the impact of the product/solution on individuals and on society. * Explain how the product/solution could be improved.   **Evaluate your Use of the Design Cycle.**   * Evaluate their performance at each stage of the design cycle * Suggest ways in which their performance could be improved. | **Evaluate Tasks:**  **Evaluate your Product or Solution**  **Evaluate your Use of the Design Cycle.** |
| **Notes:** | |