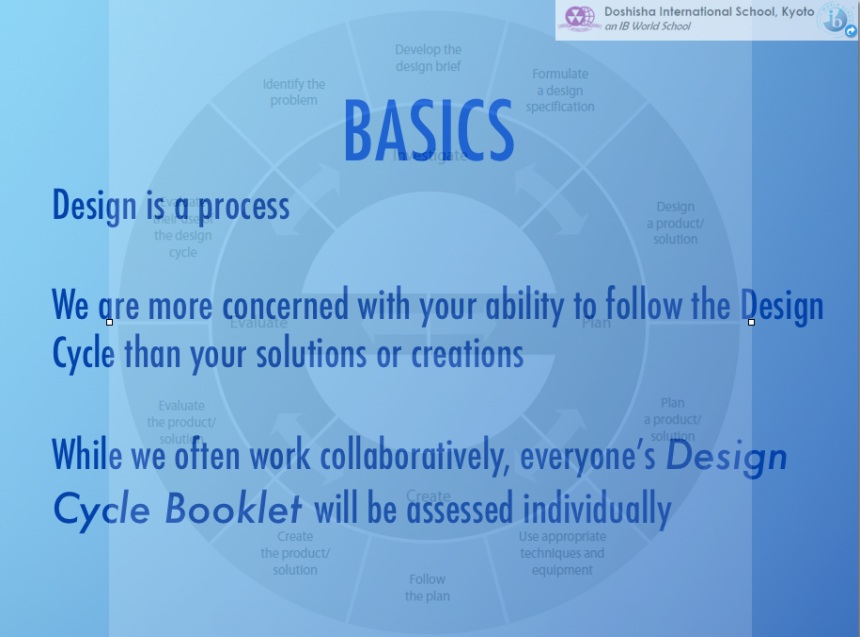


**Technology Program: Design Cycle Booklet**

Name: Grade:



Part A: Investigate

Part B: Plan 1 ***Design***

Part C: Plan

Part D: Create

Part E: Evaluate

***Unit Question: How can large amounts of information be***

***presented visually to make big ideas more easily accessible?***

**PART A: INVESTIGATE**

**Identifying the Problem to be Solved**

1. After a discussion with the class state the problem *in your own words.*

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**Developing a Design Brief**

An INFOGRAPHIC is a visual representation of information.

* ***WHAT*** does a good one look like? ***WHERE*** can you find out?
* It requires consideration of the ELEMENTS OF DESIGN. ***WHERE*** can you reference these?
* ***WHERE*** will you find creative commons work?
* ***CAN*** you make your own images?

|  |  |  |
| --- | --- | --- |
| ***Areas of research you need to undertake.*** | | |
|  | ***What you need to find out*** | ***Where you will find it***  **Examples**  **X** The internet  **O** http://www.dezineguide.com/tutorial/20-best-infographics-tutorials-and-articles/ |
| **1** |  |  |
| **2** |  |  |
| **3** |  |  |
| **4** |  |  |

**Formulating a Design Specification**

What requirements must your product/solution meet? Write as statements. Number them.

***🡺🡺YOU MAY CHOOSE 3 FROM ELEMENTS OF DESIGN YOU WILL FOCUS ON🡸🡸***

|  |  |  |
| --- | --- | --- |
| ***A good infographic…*** | | |
| **1** |  |  |
| **2** |  |  |
| **3** |  |  |
| **4** |  |  |
| **5** |  |  |
| **6** |  |  |

2. Design tests to evaluate the success of the product/solution.

****

**THESE MAY BE THE SAME TEST DONE BY A DIFFERENT PERSON**

**TEST 1**

**TEST 2**

**Evaluating your Use of the Design Cycle**

1. On a scale of 1-3 (1 is poor, 3 is good), evaluate your performance at each stage of the design cycle and suggest ways you could improve using the table below. Refer to the rubric.

|  |  |  |
| --- | --- | --- |
| **Design Cycle Stage** | | **Evaluation** |
| PART A: Investigate | |  |
| **How can you improve?** |  | |

**PART B: DESIGN**

**Designing the Product/Solution**

****

1. Create designs of your product/solution.

Consider:

* a layout that is easy to use
* menu bar titles that are clear
* information is laid out with colours that are easy on the eyes
* text, video image balance

**DESIGN 1**

|  |
| --- |
|  |

**DESIGN 2**

|  |
| --- |
|  |

**DESIGN 3**

|  |
| --- |
|  |

1. Using a scale of 1-3 (1 is poor, 3 is good), rate each design against the design specifications using the chart below and then rate the design overall.

|  |  |  |  |
| --- | --- | --- | --- |
| **Design Specification** | **Design 1** | **Design 2** | **Design 3** |
| 1. |  |  |  |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
| 9. |  |  |  |
| 10. |  |  |  |
| **Overall Rating** |  |  |  |

3. Which design will you use to create your product? Write a paragraph explaining why you have chosen this final design.

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**Evaluating your Use of the Design Cycle**

1. On a scale of 1-3 (1 is poor, 3 is good), evaluate your performance at each stage of the design cycle and suggest ways you could improve using the table below. Refer to the rubric.

|  |  |  |
| --- | --- | --- |
| **Design Cycle Stage** | | **Evaluation** |
| PART B: Plan 1 (***Design*** Focus) | |  |
| **How can you improve?** |  | |

**PART C: PLAN**

**Planning the Product/Solution**

1. What steps are needed to create the product/solution according to your design?

|  |
| --- |
|  |

2. Use the table below to make a plan to create your product/solution that makes good use of resources and time.

*You will have to explain any changes you make to this plan*

|  |  |  |
| --- | --- | --- |
| **Step** | **Resources Needed** | **Time Needed** |
|  |  |  |
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|  |  |  |

3. Evaluate the effectiveness of your plan by answering the following questions:

|  |  |
| --- | --- |
| **Question** | **Yes/No** |
| Will you be able to complete the product/solution in the amount of time available? |  |
| Are the tools and resources available to make the product/solution? |  |
|  |  |

**Evaluating your Use of the Design Cycle**

1. On a scale of 1-3 (1 is poor, 3 is good), evaluate your performance at each stage of the design cycle and suggest ways you could improve using the table below. Refer to the rubric.

|  |  |  |
| --- | --- | --- |
| **Design Cycle Stage** | | **Evaluation** |
| PART C: Plan | |  |
| How can you improve? |  | |

**PART D: CREATE**

**Following the Plan**

1. Use the table below to evaluate your progress against the plan. Use the right column to explain and justify any changes (if necessary) from the original plan.

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Step of Plan** | **Completed** | **Do any changes need to be made to your plan? Explain/justify.** |
|  |  |  |  |
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**Evaluating your Use of the Design Cycle**

1. On a scale of 1-3 (1 is poor, 3 is good), evaluate your performance at each stage of the design cycle and suggest ways you could improve using the table below. Refer to the rubric.

|  |  |  |
| --- | --- | --- |
| **Design Cycle Stage** | | **Evaluation** |
| PART D: Create | |  |
| How can you improve? |  | |

**PART E: EVALUATE**

**Evaluating the Product/Solution**

1. Using the test you designed in PART A, use this space to record the results. Remember to note the source of the results.

***WHO*** was the subject of the test?  
***HOW*** were results collected and any other pertinent information.

|  |  |
| --- | --- |
| ***Testing results*** | |
| **1** |  |
| **2** |  |

1. What impact will your product/solution have? Who will be affected and how?

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1. How could your product/solution be improved?
2. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Evaluating your Use of the Design Cycle**

1. On a scale of 1-3 (1 is poor, 3 is good), evaluate your performance at each stage of the design cycle and suggest ways you could improve below.

|  |  |
| --- | --- |
| **Design Cycle Stage** | **Evaluation** |
| PART E: Evaluate |  |

How can you improve?

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**