ADST 6-7 Unit Overview

Teacher Name:

|  | Curricular Competencies | Media Arts/\_\_\_\_\_\_\_\_\_\_ Curriculum | Instruction/Just in time learning | Formative Assessment |
| --- | --- | --- | --- | --- |
| Understanding context | Empathize with potential users to find issues and uncover needs and potential design opportunities |  |  |  |
|  | Choose a design opportunity  Identify key features or potential users and their requirements  Identify criteria for success and any constraints |  |  |  |
|  | Generate potential ideas and add to others’ ideas  Screen ideas against criteria and constraints  Evaluate personal, social, and environmental impacts and ethical considerations  Choose an idea to pursue |  |  |  |
|  | Identify and use sources of information  Develop a plan that identifies key stages and resources  Explore and test a variety of materials for effective use  Construct a first version of the product or a prototype, as appropriate, making changes to tools, materials, and procedures as needed  Record iterations of prototyping |  |  |  |
|  | Test the first version of the product or the prototype  Gather peer and/or user and/or expert feedback and inspiration  Make changes, troubleshoot, and test again |  |  |  |
|  | Identify and use appropriate tools, technologies, and materials for production  Make a plan for production that includes key stages, and carry it out, making changes as needed  Use materials in ways that minimize waste |  |  |  |
|  | Decide on how and with whom to share their product  Demonstrate their product and describe their process, using appropriate terminology and providing reasons for their selected solution and modifications  Evaluate their product against their criteria and explain how it contributes to the individual, family, community, and/or environment  Reflect on their design thinking and processes, and evaluate their ability to work effectively both as individuals and collaboratively in a group, including their ability to share and maintain an efficient co-operative work space  Identify new design issues |  |  |  |