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 |  |  |  |