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| Planned Course: The CAD Creation Lab | | Course Number: AH836T | Department: Fine Arts and Digital Arts |
| Unit: Evaluations: Self/Peer/Instructor | | Grade Level: 9-12 | |
| Estimated Time: 3 weeks (Integrated) | | Level/Track: Elective | Board Approval Date: 08/22/2016 |
| PA Academic Standards | <p>▶ Core Concepts (in question format)</p> <ul style="list-style-type: none"> • Skills/Knowledge | Activities/Strategies/Study Skills (identify some activities as remedial or enrichment activities) | Assessments (include types and topics) |

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| <p>3.1.12.E: Evaluate change in nature, physical systems and man made systems.</p> <ul style="list-style-type: none"> • Analyze how models, systems and technologies have changed over time. • Evaluate the patterns of change within a technology (e.g., changes in engineering). <p>3.2.12.D: Analyze and use the technological design process to solve problems.</p> <ul style="list-style-type: none"> • Implement and assess the solution. • Evaluate and assess the solution, redesign and improve as necessary. • Communicate and assess the process and evaluate and present the impacts of the solution. <p>3.8.12.C: Evaluate the consequences and impacts of scientific and technological solutions.</p> <ul style="list-style-type: none"> • Propose solutions to specific scientific and technological applications, identifying possible financial considerations. • Analyze scientific and technological solutions through the use of risk/benefit analysis. • Analyze and communicate the positive or negative impacts that a recent technological invention had on society. | <p>▶ What defines success?</p> <p>▶ Does every experiment/project have to end successfully in order to have learned new things along the way?</p> <p>▶ How does the concept of teamwork (vs. working in an isolated environment) elevate student comprehension and application of ideas?</p> | <p>Ongoing informal Class sharing</p> <ul style="list-style-type: none"> • Students will constantly assess their own projects by comparing/contrasting their results with others along the way. • Students will examine, identify and recognize weaknesses in their projects during each step of the process and with the help of their classmates and the instructor deduce and debate methods of revision. <p>Written Project Self-Evaluation</p> <ul style="list-style-type: none"> • Students will analyze and evaluate their finished project and the entire digital journey along the way to its completion. • Students will utilize Project Summary/Evaluation Questions sheets as a general guide for the self-evaluation. | <p>1) Student: Reflection upon their personal journey and their results via:</p> <ol style="list-style-type: none"> a) A formal summative evaluation of the project submitted in written form. (see rubric) b) An ongoing informal class discussion and sharing of pieces and parts of projects both during and after completion. <p>2) Instructor: Informal assessment of class participation and work ethic during project creation days resulting in a roughly bi-weekly classwork progress grade.</p> |
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