

12th Grade Technology Studies Evaluation Strategy

Throughout the Technology Studies course there will be several formative evaluations for the students as well as a final summative evaluation on the course for the instructor. The basis of evaluation will follow Kirkpatrick's Levels of Evaluation. In the first section students are asked to demonstrate what they have learned about the definitions of technology by reading several articles and videos and then post their definition of technology on a discussion board. In the second and third sections students will be evaluated on what they know by forming small groups and showing their mastery of Web 2.0 tools to effectively meet and communicate their ideas on how technology could be applied to solve existing and future problems. In the Analysis section, students will be evaluated by showing their ability to think critically by reverse engineering a potential solution to the problem they addressed in the third section. Students will physically present their resources and then create Prezi presentation for the class reviewing the problem, show the brainstorming process that led to a potential solution and summarize how the solution resolves that problem. The largest formative evaluation will be nested in the Synthesis section. Students are to create a capstone project that demonstrates their mastery over the previous four sections. The small groups are to design and create a final product that showcases their ability to problem solve, integrate Web 2.0 tools, and synthesize a plausible solution to an existing or future problem by analyzing trends and forecasting. The synthesis project showcases the culmination of learning from the past sections. The formative evaluation of this class is based on what students produce. These projects should demonstrate whether the skills, attitudes and beliefs are consistent with the 21st century. These projects are then posted onto the class wiki where the

resources embedded in them can establish the beginning learning blocks for the next semester's students. With the projects online it also creates an opportunity to complete a summative evaluation on the effectiveness of the course itself. Once the wiki is uploaded to the Internet the instructor can invite other instructors in the field of Technology Studies and Integration to review and compare how this course lives up to existing curriculum designed and developed to cover this topic of education. By allowing outside constructive criticism the instructor will find out what works and what needs to be changed to improve the curriculum.