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| **Lesson Name:** | **STEM Innovation Shark Tank** |
| **Grade Level(s):** | 6-8 |
| **Goal/Objective(s):** | Students will be able to discuss careers within the STEM fields. Students will create an innovation, illustrate, label, and describe the innovation within a software program of choice (Prezi, PowerPoint, Publisher, Animoto) and present it to a panel of judges from Shark Tank for consideration of financial backing and further development. |
| **Standard(s):** | **Technology Standards:**  21C.O.5-8.2.TT4 Student formulates a plan and uses technology tools and multiple media sources to compare and analyze information in order to solve real-world problems.  21C.O.5-8.3.TT2 Student conducts online research and evaluates the accuracy, relevance, and appropriateness of electronic information sources.  S.6-8.L.16 Student conducts short research projects to answer a question (including a self-generated question), drawing on several sources and generating additional related, focused questions that allow for multiple avenues of exploration.  S.6-8.L.17 gather relevant information from multiple print and digital sources, using search terms effectively; assess the credibility and accuracy of each source; and quote or paraphrase the data and conclusions of others while avoiding plagiarism and following a standard format for citation.  S.6-8.L.18 draw evidence from informational texts to support analysis, reflection and research.  **School Counseling – Student Success Standards**  **ALP.SS.1.1.7** demonstrate the ability to work independently or collaboratively in various learning environments.  **ALP.SS.2.1.1** use a variety of resources to explore career options in relation to personal abilities, skills, interests, values and the current job market. |
| **Instructions:** | Day 1:  • Bellringer: If you could do one great thing (medical breakthrough, technological innovation, etc), and money and time were no object what would you choose?  • Distribute handout to complete  • Play Nick Selby’s GA Tech convocation speech / students complete handout  <https://www.youtube.com/watch?v=o0tN58EC6LE>  • Teacher Q&A: What does Nick want to build? What type of skills would be required to build an iron man suit? How would one acquire those skills?  • Introduction (if necessary) to cfwv.com website  • Students login in with their user name and password  • Discuss Shark Tank TV Show and how it works  Day 2:  • (OPTIONAL) – watch clips of “Shark Tank” episodes and have students complete the shark tank activity worksheet  Day 3: Begin research for their specific project – This will be considered the “Research and Development” Stage of the project  • Discuss rubric  • Introduction of presentation tools, including Prezi, PowerPoint, Animoto, and Publisher  • Discuss / illustrate how students can use cfwv.com to aid them in their research of both careers and skills needed to complete their project.  Day 4: Continue work on presentations  Day 5: Shark Tank Presentations by students and evaluations by those watching. Students should list their top 3 favorite innovations and give justification. |
| **Materials:** | Handout for Nick Selby, Shark tank presentation rubric and development  Cfwv.com  Photosforclass.com  Powerpoint, Prezi, Animoto, Publisher |
| **CFWV Tools Used:** | Cfwv.com website, including “Career Planning,” “Explore Careers,” and “Browse Career Clusters,” including descriptions of specific careers. |
| **Assessment:** | Students will be assessed (formative) based on their completion of the handouts.  Students will be assessed (summative) based on their ability to present their innovative idea to a panel of judges using a software presentation tool and following the rubric provided. |