Unit 3b-Tech: Inquiry and Research

Content Area: **Technology**
Course(s): **Technology 3**
Time Period: **Marking Period 3**
Length: **February/March/April**
Status: **Published**

Essential Questions

How can I find factual information on the internet?

Big Ideas

Students will use effective search strategies for locating and retrieving electronic information in common databases (e.g., using Boolean logic and filters). Students will use presentation software and slideshow applications to create, modify, and share presentations with specific audiences and for specific purposes.

Enduring Understandings

8.2.5.ED.2: Collaborate with peers to collect information, brainstorm to solve a problem, and evaluate all possible solutions to provide the best results with supporting sketches or models.

8.2.5.ED.3: Follow step by step directions to assemble a product or solve a problem, using appropriate tools to accomplish the task.

8.2.5.ETW.4: Explain the impact that resources, such as energy and materials used to develop technology, have on the environment.

8.2.5.ETW.5: Identify the impact of a specific technology on the environment and determine what can be done to increase positive effects and to reduce any negative effects, such as climate change.

Activities and Assessments

- Back to Nature Inquiry Project
- Safe and Effective online searches
- Research, Resources, and Ethics

- Information literacy: Fact vs. Opinion
- Mia Seeks the truth
- Google Slides: Layouts, text and pictures
- Google Slides: Fonts, colors and backgrounds
- Google Slides: Sounds and transitions

Resources:

Learning.com/Google Slides

World Book/ Pebble Go

Climate Change

8.2.5.ETW.5: Identify the impact of a specific technology on the environment and determine what can be done to increase positive effects and to reduce any negative effects, such as climate change.

- Activity: Students will work in small groups and explore a specific aspect of the technology to research the positive effects and negative effects.

8.2.5.ED.2: Collaborate with peers to collect information, brainstorm to solve a problem, and evaluate all possible solutions to provide the best results with supporting sketches or models.

- Activity: Students will work in groups where each group will be tasked to collect relevant information about the problem. Groups will gather data to inform their understanding of the problem and potential solutions. Students will sketch or outline each proposed solution visually to illustrate their ideas.