

Name: Veronica Esposito
Grade: 9-12
School: Brennan High School
District: Western Suffolk BOCES

PROJECT OVERVIEW

Project Title: BMW-R (Brennan Meteorologist Weather Report)	
Topic or Theme: Meteorologist Report / Weather	
Project Description: <i>Provide a brief summary or overview of the project.</i> Students will research the weather patterns of their chosen part of the world. They will then select a time of year to create a 5-7 day forecast for their location. Using accurate weather station model symbols from the Earth Science reference tables, photos from the internet or of their own, and filming footage they create the students will put together a 3-5 minute weather report using iMovie.	
Curriculum Category: <i>(Career and Technical (Vocational) Education, Fine and Performing Arts, Language Arts, etc.)</i> High School Earth Science	
Grade Level: 10th grade	Target Audience: <i>(ESE, ESOL, General, Gifted, or Other)</i> Special Education
Time required to complete the project: 1-2 weeks	

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SETTING THE STAGE:

Essential Questions:

Essential questions are open-ended questions that lead to discovery and stimulate further interest in the topic. They also clearly support the targeted standards.

- What information do I need to fully complete this project?
- How do I locate sources and access the information within the sources that I need?
- What skills and strategies are needed to gather information effectively, solve problems, and conduct research?
- How do atmospheric processes affect our weather?
- What are some observable properties, patterns and cycles in Earth's weather?

Background Information:

What information do students need to know and be able to do before beginning the project?

- basic weather patterns
- weather station model symbols
- reported features of a weather forecast
- how to use the internet to research information
- how to use iPad and iMovie app.

GATHERING RESOURCES/MATERIALS

Technology: *iPad*

Technology: (*Apps*)

- iMovie
- Show Me
- Doodle Buddy

- iPhoto, Numbers, Pages, Notes

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STANDARDS ALIGNMENT:

Common Core Learning Standards

Key Ideas and Details: students will cite specific informational text and then follow multi-step procedure for putting the information in a weather report

Craft and Structure: students will learn the meaning of weather station model symbols and use them in the construction of their report

Integrated Knowledge and Ideas: students will research, review cumulative data pertaining to the weather of a chosen location in the world and create tables, charts and visuals for their report.

PROJECT STRATEGY

Project Strategy:

Briefly explain the steps that will be used to complete the project from beginning to end.

- Introduction to the iPad, rules and procedures explained for daily use.
- Review of: weather station model symbols, view of a local weather forecast and it's components.
- Introduction to Apps. iMovie, Show Me and Doodle Buddy as well as use of Safari, Numbers, Pages and Photo/Video storage on iPad.
- Research and selection of a city in the world and it's weather during a chosen time of year. Based on common areas of interest placing students in teams is an option.
- Determine normal weather pattern and decision on creating extreme weather conditions for the forecast.
- Select or draw (using Show Me or Doodle Buddy) city location, maps, weather symbols (fronts, High Low pressure systems)
- Write the skit for the Meteorologist to say during filming, begin filming segments for the weather report.
- Put together the 3-5 minute video of the weather forecast.
- Share final project with the class.
- Complete Feedback Sheet for each team of students on their project.

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PROJECT EVALUATION

Assessment of Process and Product:

Describe assessment procedures that will be used in the various stages of project development and presentation.

Rubric Assessment Points: 4=Very Strong 3=Strong 2=Average 1= Weak

Content:

1. Science concepts are used accurately
2. Accurate supporting details explain the concepts
3. Vocabulary is appropriate to both the science content and the audience
4. Visuals including pictures, maps, symbols, photographs and filming are used appropriately to support presentation.
5. There is a clear beginning and organized body and clear closure to their Meteorologist Report.

Presentation:

1. Vocal qualities such as rate, volume articulation and enthusiasm are good.
2. Body language such as eye contact, posture and body movement are used effectively
3. Attire is neat and presentable
4. Visuals are clear and precise to report location and conditions
5. Length of video is within 3-5 minutes.