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EME2040

Lesson Plan

**Our Weather**

**General Information about Technology Integrated Educational Lesson Plan**

**Subject Area:** Science

**Grade Level:** 2nd Grade

**Timeframe:**  2 40- minute class period

**Materials Needed:** Pencil, science notebook

**Software: PowerPoint, excel, YouTube, BrainPOP Jr**

# Standards: SC.2.E.7.5

State the importance of preparing for severe weather, lightning, and other weather-related events.

**ISTE/Technology Skills Standards**: 1.1 Empowered Learner

1.1.c

Students use technology to seek feedback that informs and improves their practice and to demonstrate their learning in a variety of ways.

**Learning Objectives:**

 **Students will know and be able to:**

* Observe, prepare, and communicate for severe weather.
* Apply scientific concepts, skills, and processes to their everyday life.
* Understand and make informed decisions in the science world.

**Introduction to Project:** The purpose of my lesson plan is to teach the students how to be able to observe and be prepare for any server weather. For this project I have put together some activities for the students to complete to get a better understanding on severe weather and major weather events.

**Procedures:**

1. I will start off the lesson by asking the students “who knows of any severe weathers”
2. Then I’ll have the students watch <https://www.youtube.com/watch?v=QVZExLO0MWA> and they should write somethings they heard in the video.
3. After we have watched the video, as a class some students will share what they wrote.
4. Then I’ll began my PowerPoint and ask questions during it
5. As I’m presenting the PowerPoint, I’ll let the students know what information they should write in their notebook.
6. Once I’m done with the prestation I’ll explain to the students their homework for the week.
7. Which is to choose a severe weather and choose a specific storm and write a few sentences on it which will be due at the end of the week.
8. Once the work is explained for the week. Each table group will be assigned a certain severe weather and come up with one fact they heard and present it to the class.
9. For independent work we’ll head down to the computer lad and the students will eat to choose which weather BrainPOP Jr. they would like to watch and take an easy quiz on it.

**Technology Integration**:

* *A PowerPoint that you create to help teach the lesson.*
* *An Excel worksheet where you manage the grades for the assignment.*
* *A newsletter you send home informing parents of the assignment*

**Practice and Extension:**

* YouTube video and facts about the video
* The students get to work together by coming up with facts about the certain severe weather group.
* BrainPOP Jr video/ quiz
* Weather homework (write a few sentences based on a specific storm the student chose)
* <https://www.fema.gov/blog/fema-kids> Students can also use these link to learn more about what the planning before and after a big storm.

**Assessment Plan:**

|  |  |
| --- | --- |
| **Things to Assess** | **Assessment Strategy** |
| Content Knowledge (list what content knowledge you are assessing; can refer to the standards you listed)  | Identifying severe weathers How to protect and prepare their self from these severe weathers  |
| ISTE/Technology Skills  | Having the students go on BrainPOP jr. and use the tools on their  |
| Collaboration/Teamwork Skills | Each table group will be assigning a severe weather and as a group present a fact about the certain weather type.  |

**Universal Design Accommodations:**

**Addressing Needs of Gifted Students:** Have the students find more severe weathers that I didn’t include, and they can write a paragraph on it.

**Addressing Needs of Low Achieving Student:** These students can write about the different weathers I have talked about and how it may affect everyone when it occurs.

**Multiple ways of Presentation:** PowerPoint, pictures and or videos

**Multiple ways of Interacting:** Speaking to the class, showing the students a video, or even finding a podcast for the students to listen to.

**Multiple forms of Assessment:** Having the students do a homework assessment, or I can do an assessment.

**Second Language Accommodations:**

**Honoring Different Cultures:** For the students who a have come from a different country I would have those students focus on the weather events that occur in their country.

**Addressing Digital Divide:** Students will have the opportunity to be able to use the school computer

**Support ESOL Students**: Raz-Kids

And Raz-Kids is a teaching product that provides comprehensive leveled reading resources for students. The websites provide a reading, writing, vocabulary, and science tab. So, if an ESOL student may be having a hard time they can log onto the website and get help and have a better understanding of what their struggling with.

**Conclusion:** To conclude, in the lesson presented the students learned about different severe weather and how to prepare and protect themselves from these types of weathers. The students got to write notes about the types of severe weather, watched YouTube videos on the topic and wrote some facts in the science notebook based on the video. For homework the students got to choose from one the severe weathers we talked about in class and find a specific storm and write a few sentences about it.