

Watch Out Caribbean Here We Come!: Scene 1

Alicia ran into Mrs. DeLoney waving a brochure in her hands about school tours.

“Oh, excuse me; I was so excited after reading about this cruise that we can take for our 8th grade class trip. I was thinking that we could do some fundraisers, get some sponsors, and...”

“Slow down Alicia” said Mrs. DeLoney, “what are you talking about?”

“Okay” said Alicia, “I found this information while surfing the Web about dream vacations for my social studies project. I came upon this site about Caribbean cruises and they had a plan for middle school class trips. We could sail the Caribbean and then go on a Jungle Tour and visit the Dunns River Falls...”

We will have a guide that will stop constantly to show us the flora and fauna of the island up close. We can see shrinking ferns, stinky flowers, enormous spiders, nutmeg, coffee, banana, wild orchid, iodine plant, akee, etc. We can also take an amazing tour with a breathtaking view of Ocho from atop Murphy Hill. In the afternoon we can play on the beach.

I also found out that we can take a bus to Fort Lauderdale, Florida and then cruise on the Royal Caribbean Cruise Line, Enchantment of the Seas ship, June 10th. We can choose our stateroom, have a host of activities, and take in the breathtaking views of the Atlantic Ocean. The cruise only costs \$468.00 and the Jungle Tour and Dunns River Falls tour together cost \$68.00.

Ohhh, I’m so excited, don’t you think this is a great trip! We can take pictures, do science investigations, learn about geography, and about different cultures. Will you be our school sponsor? Please, please, please!

Watch Out Caribbean Here We Come!: Scene 1 Assignment

1. Where are the Caribbean Islands longitudinal & latitude and cardinal relations to the United States and the equator?
2. In what body of water are the Caribbean Islands?
3. On which island would you find Dunns River Falls?
4. When are the most active months?
5. Which islands in the Caribbean are more hurricane prone and why?

Watch Out Caribbean Here We Come!: Scene 2

A few moments later...

“It seems that you’ve done a lot of research about this trip. I don’t know though” said Mrs. DeLoney. “You know June 1st is the start of hurricane season and you remember the number of hurricanes that occurred in the summer of 2005, starting in June.”

“I know, I know” said Alicia, “but that doesn’t mean that there will be a hurricane when we take our cruise. Wouldn’t we be safer in the ocean, it seems that most of the damage occurs along shore line. I haven’t heard about any hurricanes striking the Caribbean Islands. Lorraine and I can do some research on hurricanes in the Caribbean and cruises and get back to you by the end of the week.”

“Okay” said Mrs. DeLoney, “we’ll see then.”

Watch Out Caribbean Here We Come!: Scene 2 Assignment

Your group is to create a presentation that includes the following information:

- How do hurricanes form?
- What conditions must be present?
- Where do hurricanes start?
- How fast does a hurricane move?
- What damage can a hurricane do on land?
- Discuss two major hurricanes that hit the Caribbean Islands. Be sure to include what year the hurricane hit, what island(s) was affected, and the extent of the damage. Also include weather conditions related to the hurricane such as temperature (air and water), air pressure, and precipitation.
- What damage can occur to a cruise ship, and what safety measures should be taken on a cruise during a hurricane?
- Can a ship change its course to avoid a hurricane?

The presentation can be done as a skit, poster or PowerPoint presentation. Be sure to list all sources of information and all group members. The presentation should last 5-10 minutes.

Group Assessments:

1. Select one group members map to plot an alternate route for the cruise captain to avoid the hurricane. Also, include the original route before the storm. Use a different color for each event. Make a key on the bottom right side of the map. Include first and last name of each member and period.
2. Develop a trifold brochure on safety during a hurricane while on a cruise
 - a. On front cover picture of cruise ship and safety symbol
 - b. Inside front cover mini discussion of tropical depression to hurricane development in chart format with wind speeds and how you feel
 - c. In center: Safety gear, where to go on ship and precautions needed include graphics and clear simple directions.
 - d. Inside right: Warm words of encouragement and assurance.
 - e. Back Center: Cruise line's name and picture, Ship's name, captain's name
 - f. Back Center bottom: Group members name.

Watch Out Caribbean Here We Come!: Scene 3

Alicia and Lorraine completed the research on hurricanes and cruises and made their presentation to Mrs. DeLoney, other teachers and some of their classmates.

Student Presentations

Afterwards, Mrs. DeLoney addressed the class about the summer cruise in the Caribbean.

“I think this will be a great educational opportunity for us to learn more about the world, inviting you to see new cultures, environments, and wildlife. As a result, I have agreed to sponsor the summer cruise to... Jamaica!”

The students cheered in excitement and immediately began planning for their trip.

Mrs. DeLoney continued, “Keep in mind, however, that we will need to have several fundraisers, draft a sponsorship letter for pledges and donations so that all of our students have an opportunity to can go on the trip.

Rather than focus on the fundraiser, Alicia thought to herself, “I wonder what it’s like to be on a huge cruise ship. What should I bring?”

Alicia and the other students thanked Mrs. DeLoney on the way out of class.

Watch Out Caribbean Here We Come!: Scene 4

Cruise Time!

Through many long hours of work, the class was able to raise enough money for the trip. On June 10th the students sailed away on the Royal Caribbean Cruise Line, Enchantment of the Seas ship.

The students swam in the Olympic size pool, played card games, ate at the all day buffets and listened to the live entertainment while on the cruise.

On the second night, after the students returned to their rooms, the Captain made an emergency announcement over the ship intercom.

“Dear patrons, please listen carefully to the following emergency announcement. A tropical disturbance has been identified off the Western coast of Grenada. We are currently working with local weather agencies to determine the safest path for our ship to travel to avoid the inclement weather. Please know that every precaution will be taken to protect your safety and that we will notify you with updates as more information becomes available...”

Upon hearing the news, Mrs. DeLoney gathered the students to console them and to develop a plan of action.

“We can use information from our Earth Sciences class to track the course of the tropical disturbance and to develop possible routes for our ship to avoid the bad weather. Here is a hurricane tracking chart provided by the ship’s captain and the current location of the tropical disturbance. Work together in groups to determine possible routes for our ship.”

“Also, think about how a hurricane forms from a tropical disturbance, and determine the weather conditions that are ideal for the formation of a hurricane. Is it likely that the tropical disturbance will become a hurricane?”

Watch Out Caribbean Here We Come!: Scene 4 Assignment

Individually, track the route of a hurricane on an Atlantic Basin Map using recorded data. Include the date, wind speed, longitude coordinates, and latitude coordinates for each day the hurricane traveled along its path.

Watch Out Caribbean Here We Come!: Epilogue

The tropical depression became a deadly Category 5 hurricane, destroying everything in its path. However, with the students help, the Captain was able to accurately track the hurricane and to direct the ship to safety. And in the end the students were able to visit some of the islands in the Caribbean...

Watch Out Caribbean Here We Come!: Box Chart

<p><u>Facts</u> (What we know right now)</p>	<p><u>Questions</u> (Based on current knowledge)</p>
<p><u>Hypotheses</u> (Based on facts and questions)</p>	<p><u>Learning Issues</u> (What we need to learn)</p>

Self/Group Evaluation

Date _____

Your Name: _____ Group # _____

Instructions: Please circle the response with which you agree the most. This evaluation will only be read by your teacher and will **not** be shown to other students.

1. How would you rate your participation in group discussion and group work?

5 Excellent 4 Very Good 3 Good 2 Fair 1 Poor

2. How would you rate your effort in completing the case:

5 Excellent 4 Very Good 3 Good 2 Fair 1 Poor

3. Did you complete the assigned homework? **Yes** **No**

If no, explain why:

4. How well did you work with everyone in your group:

5 Excellent 4 Very Good 3 Good 2 Fair 1 Poor

5. Overall, how would you rate your performance in this case?

5 Excellent 4 Very Good 3 Good 2 Fair 1 Poor

6. Your total score _____

7. Rate each group member on a scale of 1-5

Group Member	Participation in group discussion	Completed Assigned Task	Worked well within group	Overall performance	Total Score