

Alice World: Tornado

**Objective:** Given the Alice World Tornado, Alice design instruction, and instruction on tornados, students will complete the world my using the folders to create a world that is damaged after a tornado moves through a town.

**North Carolina Course of Study Science Grade 7**

**Competency Goal 3: The learner will conduct investigations and utilize appropriate technologies and information systems to build an understanding of the atmosphere.**

3.05 Examine evidence that atmospheric properties can be studied to predict atmospheric conditions and weather hazards:

- Humidity.
- Temperature.
- Wind speed and direction.
- Air pressure.
- Precipitation.
- Tornados.
- Hurricanes.
- Floods.
- Storms.

3.06 Assess the use of technology in studying atmospheric phenomena and weather hazards:

- Satellites.
- Weather maps.
- Predicting.
- Recording.
- Communicating information about conditions.

**North Carolina Course of Study Computer/Technology Skills Grade 7**

Competency Goal 2: The learner will demonstrate knowledge and skills in the use of computer and other technologies.

2.03 Use proper keyboarding techniques to improve accuracy, speed, and general efficiency in computer operation.

**Materials:**

1. computer/s
2. storyboarding sheets
3. text - Learning to Program with Alice
4. Learning to Program with Alice handouts
5. pencils

**Prior knowledge:**

1. Students have been taught the skills prior to this lesson to design or complete a world. This activity can be used to teach Alice as a hands-on project.
2. Students have the computer skills necessary to demonstrate growing proficiency using Alice and reinforcement of computer skills.
3. The lesson on Tornado is being taught or has been taught for students to meet the science course of study benchmarks.

**Procedures:**

1. Teacher has taught Alice lessons or this lesson can be taught as a tutorial.
2. Students can be organized as groups or individual. This is dependent upon the number of computers, available home computers, class behavior, class size and special needs (IEP).

**Assessment:**

1. Tornado Fair
2. Students will be given a rubric prior to know the objectives for evaluation.
3. Paper/pencil test, oral presentation, etc