

**Names:** Sahara Kipfer and Carol Fike

**Topic / Theme:** Seasons

**Big Idea:** Season Changes

**Overall Goal:** To discuss the necessary precautions that one should carry out in each season.

**Standards:** 3.3.6 Describe ways human beings protect themselves from adverse weather conditions.

**Children's Literature Book:** Amelia's Road By: Linda Jacobs Altman

**INTRODUCTION:** Upon meeting the students, we will be dressed for two of the four seasons (Sahara – summer, Carol – winter). We will then ask the students why they think that we are dressed in this particular way. We then will explain what we are wearing and why it would be important to wear this in that particular season, as well as how to protect ourselves from adverse weather conditions. This will lead into our activities about the four seasons and what they will be learning about in this science trail.

**FIRST STOP:**

**Stop #1:** We are going to explore temperature differences. For example: we are going to have 3 containers of water at various temperatures; cold, lukewarm, and hot. These will directly relate to common temperatures during the four seasons.

**Objective:** After testing the temperatures variations the students will describe the seasons that is associated using 3-5 adjectives.

**Assessment:** The teacher will look at the students' papers to see if their responses correctly correspond with the season. Then we will have a group discussion about the information that they have written down.

**SECOND STOP:**

**Stop #2:** Each student will be given a paper doll and paper clothes. When provided with a season they will appropriately dress their person.

**Objective:** After a group discussion the students will display the necessary clothing based on the weather conditions.

**Assessment:** Students will display their doll when a season is said. The teacher will look at the clothing selections to make sure that they are dressed appropriately.

### **THIRD STOP:**

*Stop #3:* Using items found in nature, students will create a sustainable structure to protect themselves from weather conditions.

*Objective:* After working together to build a structure, students will explain why it is necessary to protect themselves from adverse weather conditions.

*Assessment:* The teacher will assess the students based on the contributions that are made to the closing discussion about the importance of a protective shelter.

### **MATERIALS:**

- Amelia's Road By: Linda Jacobs Altman
- Winter Items (coat, scarf, etc.)
- Summer Items (sunglasses, flip flops, shorts, etc.)
- Copies of the Trail Guide
- 3 Styrofoam cups (or more depending on group size)
- Thermometers
- Hot Water in Thermos
- Room Temperature Water in water bottle
- Water with ice in water bottle
- Paper Dolls with Clothing
  - Poster board
  - Velcro
  - Construction Paper of assorted colors
  - laminate the pieces
- Sharpies for personalizing dolls