



## Virtual Field Trip Components

### Video Introduction

This video introduces the virtual field trip and Bizzy the Bee, an animated character created by the MUN Botanical Garden for our virtual field trips.

### Section 1: Changes All Around Us

In this section, students will learn about the different types of daily and seasonal changes in nature. Students will trace their shadows to see evidence of changes in sunlight during the day, create a weather journal to make observations on changes in temperature and weather over several days, and play “**How Hot or Cold Is It?**,” a virtual game to help them learn how to measure temperature and how the temperature changes through the seasons.

- Educational Video: Here Comes the Sun
- In-class Activity Instructions: Tracing Our Shadows
- In-class Activity Instructions: Weather Journal
- Virtual Game: How Hot or Cold is it?
- Supplemental Worksheets

### Section 2: Floral Phases

In this section, students will observe evidence of plant adaptations due to seasonal changes. Within this section, students will go on a virtual tour of the MUN Botanical Garden's plants, then participate in our “**Signs of the Seasons Scavenger Hunt**” to see how many items from each season they can spot, and finally, play “**Seasonal Scenes**,” a virtual game which challenges them to match pictures of our Garden to the different seasons of the year.

- Educational Video: Turning Over a New Leaf
- Virtual Tour of the MUN Botanical Garden
- In-class Activity: Signs of the Seasons Scavenger Hunt



- Virtual Game: Seasonal Scenes
- Supplemental Worksheet

### Section 3: Adapting Animals

In this section, students will learn about how animals change their behaviour and/or appearance during the day as well as with the seasons. Students will review the terms nocturnal, diurnal, hibernation, and migration. They will act out different animal behaviours according to whether it is day or night in “**Bizzy Says**,” and then play, “**Creatures’ Seasonal Cycles**,” a virtual game where they will learn what different animals (including those that live in and around MUN Botanical Garden) do in different seasons. They will also play “**Suitable for the Season**,” a virtual game about clothes, objects and activities humans wear, use and do through the seasons.

- Educational Video: Animal Actions
- In-class Activity and Interactive Tool: Bizzy Says
- Virtual Game: Creatures’ Seasonal Cycles
- Virtual Game: Suitable for the Season
- Supplemental Worksheet

### Video Conclusion

This video reviews all the material covered in the virtual field trip.



## Curriculum Links

- 1.0 pose questions that lead to exploration and investigation
- 2.0 pose new questions that arise from what was learned
- 3.0 communicate using scientific terminology
- 4.0 explore and investigate changes in heat and light from the sun
- 6.0 devise ways to measure and record daily and seasonal environmental changes
- 7.0 make and record observations and measurements
- 8.0 communicate while exploring and investigating
- 9.0 sequence or group materials and objects
- 10.0 predict based on an observed pattern
- 11.0 explore how changes in sunlight affect living things
- 12.0 investigate daily changes in the characteristics, behaviours, and location of living things
- 13.0 propose an answer to an initial question or problem and draw a simple conclusion
- 14.0 investigate seasonal changes in the characteristics, behaviours, and location of living things
- 15.0 investigate human preparations for seasonal changes