

Teacher Candidate Presentation

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Education 336

Class Overview

Grade 4 Science

25 students: 13 girls, 12 boys

Students from diverse socio-cultural backgrounds

3 exceptionalities

1 EA



Student Profile #1

Lucy

-Moved to Canada 6 weeks ago from South Korea

-Started very shy but is now opening up and has a class buddy to help understand assignments if needed

-Currently in ESL classes outside of regular school hours and is receiving some ESL instruction during school hours

-Picking up new words all the time and eager to learn but is apprehensive to ask for help sometimes

-The class has learned a few words in Korean with help from Lucy!



Student Profile #2



Sven

- High anxiety, needs ample opportunity to move around
- Needs time to "de-compress" by himself during class at times → Safe Chill Space
- Growing in confidence with support from classmates
- Has a lot of energy and enthusiasm. Makes positive and creative contributions to group work when expectations are clear

Student Profile #3

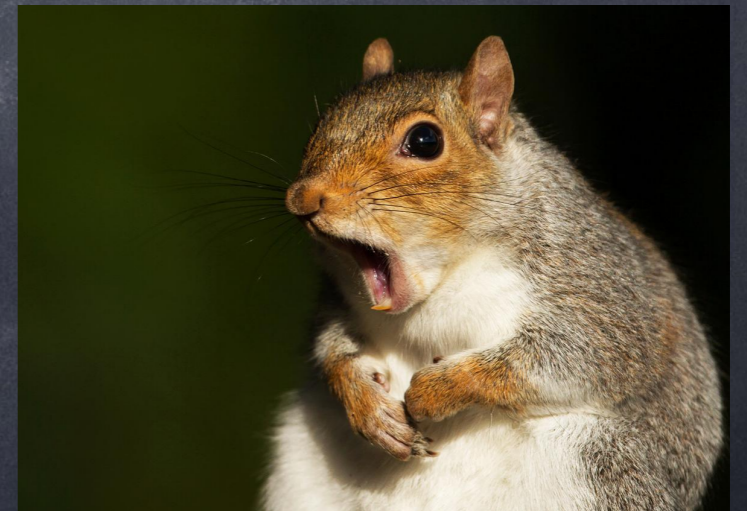
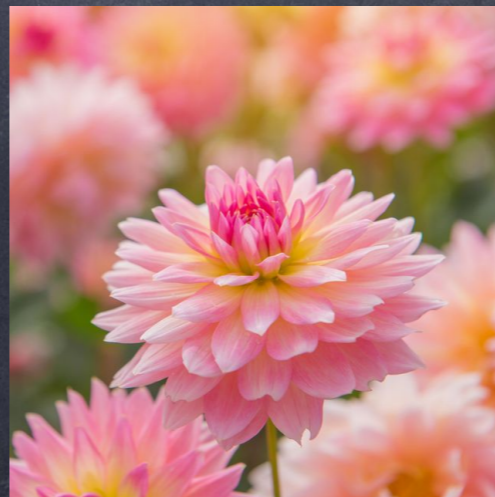


Peter

- Diagnosed with Muscular Dystrophy
- Becomes tired and weak easily
- Uses a walking device for support
- Writes slower than average because of weakness in hands
- Loves to participate in activities and help others whenever possible

Lesson Focus: Bio Diversity

The goal of our lesson is to gain a better understanding of the diversity of plant/animal species and how they are all interconnected with one another



Big Idea from BC's Grade 4 Science Curriculum

All living things
sense
and respond to
their
environment

Curricular Competencies

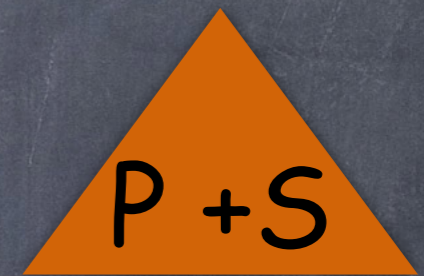
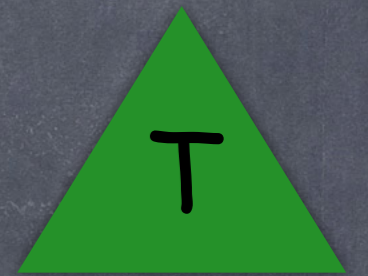
Demonstrate curiosity about the natural world

Make observations about living and non-living things in the local environment

Experience and Interpret the local environment

Express and Reflect on personal or shared experiences of place

Core Competencies



What is Biodiversity?



Today's Activity: Web of Life



Activity Guidelines

- Help and support your classmates
- Allow others time to speak (at least 5 seconds) before offering an answer or opinion
- Be patient. Be kind. We are always working on Growth Mindset
- Have fun!

DISCUSSION

- Find your group (colour on back of card)
- Decide on a place/region of the world that one or more of your group members has a special connection to
- As a group discuss:
 1. Which types of plant/animal species live there?
 2. How do they depend on one another?
 3. Are there risks to that place's biodiversity?
 4. What can we do to help fix those problems?

Accommodations made during the lesson

Lucy:

- Has a buddy to ask questions sitting next to her during game and subsequent discussion
- Cards have just one word on them as well as picture for better understanding
- Given extra time to respond and can contribute when comfortable

Sven:

- The activity allows for movement
- Chill space to de-compress
- Has potential to accept support from classmates and contribute when comfortable

Accommodations made during the lesson continued...

Peter:

- Option to sit or stand during the activity
- No writing is involved, only oral discussion
- Can use the safe "chill" space to rest if needed

Entire class:

- Students can interact with the activity and subsequent discussion from a place-based perspective bringing their own unique experiences to the table
- An encouraging and supportive atmosphere enables everyone to engage when comfortable and to help others during the activity and discussion... hopefully building class cohesion!

Assessment

- The Web of Life activity allowed me to observe the core competency "Personal & Social" by watching students respond from a personal standpoint about how organisms interact and cooperating as a class to build the connections
- The activity also allowed me to observe how students communicate with one another i.e. listening, speaking in turn, respecting the answers and contributions of one another
- The subsequent discussion allowed me to observe how students were critically thinking about connections locally as well as world-wide and coming up with potential solutions to problems