Gr. 1 - Understanding Life Systems

*Needs and Characteristics of Living Things*

### Bending Plants

#### Specific Expectations:

2.1 Follow established safety procedures and humane practices during science and technology investigations.

2.2 Investigate and compare the basic needs of humans and other living things, including the need for air, water, food, warmth, and space, using a variety of methods and resources.

2.4 Investigate the physical characteristics of plants and explain how they help the plant meet its basic needs using a variety of methods and resources.

3.1 Identify *environment* as the area in which something or someone exists or lives.

3.2 Identify the physical characteristics of a variety of plants and animals.

#### Big Idea (for lesson):

Students build a box that lets select amounts of sun in to feed the plant, and students develop tracking sheets to see how the plant bends to adapt to the situation and seeks the light.

#### Accommodations:

- Increase time
- Visual Aids
- Manipulatives
- Chunking
- Step-by-Step
- Scaffolding
- Copy of Notes
- Student Grouping

#### Differentiated Instruction:

- Content: Use demo to show the content as you offer verbal descriptions.
- Process: Have students work in pairs and support each other if physical impediments exist.
- Product: Students may show their final product in pairs, and communicate their findings either verbally, visually, or through written means.

#### Bloom's Taxonomy:

- Knowledge
- Comprehension
- Application
- Analysis
- Synthesis
- Evaluation

#### Multiple Intelligences:

- Verbal/Linguistic
- Logical/Mathematical
- Visual/Spatial
- Bodily/Kinesthetic
- Naturalist
- Musical/Rhythmic
- Interpersonal
- Intrapersonal

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Delivering The Lesson:
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