

UNIT: ORGANISMS AND THEIR ENVIRONMENT
Lesson Plan one: Basic Needs of Plants and Animals
By: Megan Frenette
Second Grade Teachers Example Elementary School

Content Area Standards (TEKS): 2.9 (A)

Resources: http://www.ovguide.com/movies_tv/the_magic_school_bus_goes_to_seed_seeds.htm, eduplace.com (KWL) charts/graphic organizers

Details: To introduce the unit, we will have an open class discussion covering what we already know about plants and animals and what they need to survive. I will ask students if there are things that they would like to learn about both plants and animals. Once students have talked amongst each other and shared their ideas, I will then explain the KWHL chart. Some students may struggle understanding that each idea that students know will only go in the K section and what they want to know will go in the W section, we will fill in one idea for both boxes as a class. I will then have students fill in 3 facts they know and 2 that they want to learn independently.

As a class students will watch The Magic School Bus Plants a Seed on the projector screen. The video will last for about 22 minutes. Once the episode is over we will briefly discuss what we learned about plants and how plants provide food for insects. We will also discuss the parts of a plant that provide food for different types of animals/insects.

Students will then complete the L section of the chart filling it in with one complete sentence and a picture of what they learned.

Students will have the opportunity to choose with teacher permission a topic concerning plants and animals they wish to research with a group. This is the first step for the second and third lesson for the Organisms and Environment unit.

To close the lesson we will discuss how we took our prior knowledge of plants and animals and built onto what we already knew through the use of technology (by watching an episode of The Magic School Bus, and using the KWHL charts retrieved from online).

Grade Level(s): Second Grade

Subject Area(s): Science (environment and organisms) Identifying basic needs of plants and animals.

Lesson Assessment Plan:

1. How will you assess knowledge prior to delivering this lesson?

Before watching the online episode of The Magic School Bus Plants a Seed, we will briefly discuss what we already know about the environment and what plants need to grow. We will then watch the episode as a class. When the episode is over I will ask questions about what the students just watched to check for student's understanding.

2. How will you assess student learning after teaching this lesson?

To help students better understand what they just watched, each student will be responsible for completing the WL section on their KWHL chart. This chart will show what students already knew and what students learned from the episode. Students will also be able to pick a topic from the L section of their chart that he or she completed to further their understanding of the environment and organisms.

3. If reteaching is needed, what exactly will you do to make sure that each of your students succeed to the best of their abilities on the content covered in this lesson?

If reteaching is necessary I will show students and read part of the hard copy of the magic school bus plants a seed to the class.

Time Required to Present Lesson: 5 minute introduction to the lesson and topic (completing the K portion of their charts and the WH section of their charts), Episode (22 minutes), Open Discussion 5 minutes, 10 minutes for students to complete the L section of their KWHL charts, 5 minutes group planning worksheet.

TOTAL: 45 minutes

Intended Content Outcomes:

What will students have learned as a result of this lesson? What the basic needs are for both plants and animals to survive.

Although some of this will be prior knowledge, new information will also be given from the online book, some information that students will obtain will come from observation (which will occur in lesson 2). Students will also acknowledge why the environment is so important and how it is continuously changing. Students will also choose a topic from their KWHL charts that interests them and develop a project presented the second day of this unit according to what he/she learned from the book. In preparing for the second lesson students should complete the group planning worksheet with their group members

TEKS Technology Applications: (Use the shorthand version of the technology TEKS)

§126.2. Technology Applications, Kindergarten-Grade 2.

(4) Information acquisition. The student uses a variety of strategies to acquire information from electronic resources, with appropriate supervision. The student is expected to:

(A) apply keyword searches to acquire information; and

(B) select appropriate strategies to navigate and access information for research and resource sharing.

(7) Solving problems. The student uses appropriate computer-based productivity tools to create and modify solutions to problems. The student is expected to:

(A) use software programs with audio, video, and graphics to enhance learning experiences

Instructional Strategies Used:

Group discussion to determine prior knowledge (group)

Online episode of the magic school bus (whole class)-students will watch the online episode as a class.

KWHL (pairs) - Students will complete the WHL portion of their KWHL charts. This will allow students to determine what they are most interested in researching within small groups for the remainder of the unit.

Group planning chart- completed in their groups

Use of Real World Authentic Tools:

Software: (youtube) online video of the magic school bus episode (11).

http://www.ovguide.com/movies_tv/the_magic_school_bus_goes_to_seed_seeds.htm

Preparation/Preliminary Activities:

What you need to do to prepare for the teaching of this lesson. What your students need to do prior to the delivery of the lesson.

Prior to teaching this lesson I will need to copy and paste the link provided under software section of the lesson plan. Once you are at this website click the magic school bus goes to seed under The Magic School Bus: goes to.... Section in dark grey. It is the first video that has a time of 21:35 minutes in length. Have the video prepared to pull up and show the class. The KWHL charts must be printed and distributed before beginning the lesson. You should have the KWHL charts download from Microsoft office online prior to class. If you do not already have this template on your computer you must go to the section title (New Document). Type in "KWHL chart: in the search Microsoft office online template to locate the chart. Click the download button to retrieve the document from online. Once the chart is in your file you can open it and print the m out for your students. Each student will need one chart. I will also need to have printed copies of the KWHL charts ready for students before we begin the episode so that students can complete the K and L section of the chart prior to the video.

Special Notes:

Once students have watched the Magic School Bus episode the teacher should review what all was covered during the episode referring to a hard copy of The Magic School Bus Plants a Seed book if and when necessary.

Go to the following link to retrieve the chart KWHL Charts- from Microsoft office online template

Although it is important that students are in a group in which they will be researching a topic that interests them, it is also important that the groups be chosen mindfully. Some students do not work well together and should not be placed in the same group. Students who are behind and have a hard time understanding material should be placed in a group with at least one member who can assist and guide this student when and if needed.

Distribute one sheet per group that has group member's names and their chosen topic on the top of the sheet with the circle and lines to the side for their research. Pre planning is important for younger students when it comes to research projects.

To watch the episode of the magic school bus type in the following link or copy and paste:

http://www.ovguide.com/movies_tv/the_magic_school_bus_goes_to_seed_seeds.htm

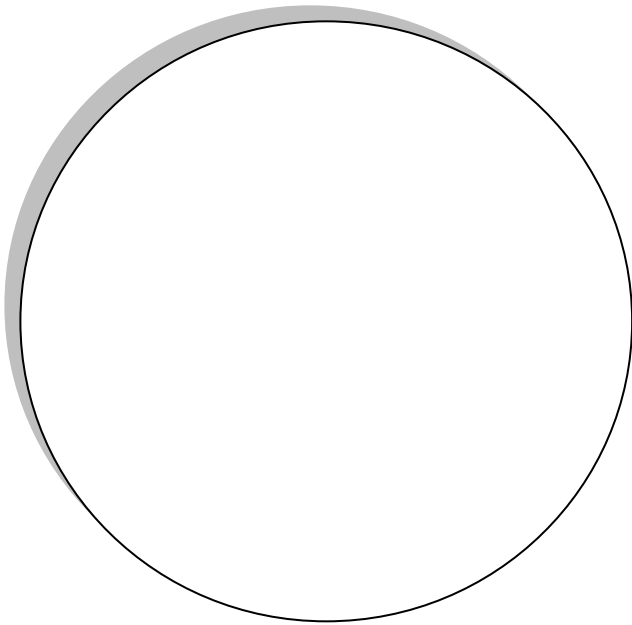
NAME:

TOPIC

K What I Know	W What I Want to Know	H How I'll Learn It	L What I Learned

Topic: _____

Name: _____



Five horizontal rectangular boxes with rounded corners and dashed borders, stacked vertically, intended for writing or drawing.

Department Of _____

K What I Know	W What I Want to Know	H How I'll Learn It	L What I Learned
<p data-bbox="199 302 418 1121">Plants grow in the ground. Plants need sun to grow. Plants need water.</p>	<p data-bbox="475 317 834 1121">Do all plants provide food for animals? How do plants help animals grow?</p>	<p data-bbox="873 327 1166 1121">Reading about plants and animals. Making observations. Watching movies and t.v. shows about plants and animals.</p>	<p data-bbox="1198 327 1503 1121">Plants have nectar which provides bees and certain insects with food.</p>

Topic: Plants help animals grow
Name: Ms. Megan Frenette



Bumble Bees

How do they get their food?

How are plants important to them?

What do bees start out as?

Do bees eat and drink?

How do bee's make their homes?