**Lesson 5-11**

**Unit:** Needs and Characteristics of Living Things  
**Topic:** Environment

### Lesson

- Ask class "What does environment mean?"
  - Allow several students to provide their input
  - "The area where something (or someone) exists or lives."

- Ask class "Does the environment affect how well something lives?" → yes

- Ask class "What would a healthy environment be like?"
  - Clean air, clean water, nutritious food

- Ask class "Why is it important to have a healthy environment?"
  - Grow strong, keep personal health

- Divide class into groups of ~3
  - Each group gets ledger paper worksheet
  - Draw and detail a healthy environment
  - Explain picture to class at end (if time)

### Reminders

### Supplies Needed

- Ledger Paper  
- Anecdotal Sheet

### Homework

### Notes
Lesson: 5-12  Unit: Characteristics of Living Things  Topic: Helping the Environment

Lesson

- Review: "What makes something is living?"
  - moves, grows, breathes, produces, reacts, gets sick, makes waste
- "What is a lamp not alive?" - does not grow, move, reproduce, breathe
- "What physical characteristics would you use to describe a person?"
- "What physical characteristics would you use to describe a rose?"
- "What is the purpose of heart? lungs?"
  - pump blood, take in air
- "What makes a healthy environment?" - clean air, clean water, healthy food, safe
- Discuss: it is very important to show care and respect to all living things so that we can keep a healthy environment
- Explain task - in groups, given an action humans can do or should not do, in order to keep a healthy environment. Group plans a skit, then presents skit to class to teach them.
- Hand out skit topics

Reminders

- Students work
- Students present at end of class

Supplies Needed

- Skit topics

Homework

Notes

Describe how showing care and respect for all living things helps to maintain a healthy environment.
Lesson

- Review quiz procedures
- Eyes on own paper
- No talking to others
- Ask questions by raising hand so I can help

- Hand out quizzes
- Read through questions
- Check each quiz as they finish
  → Use #3 and #7 to get extensions
- If done, students can work on word search or finish up

Reminders

Supplies Needed
- Quizzes
- Wordsearch

Homework

Notes
## Lesson

- Read intro paragraph from worksheet
- Explain Worksheet
- Hand out worksheet
- Students work

* Use time to conference about quiz.

## Reminders

## Supplies Needed

- worksheet
- quizzes

## Homework

## Notes

Identify what living things provide to other living things:

- O₂, CO₂
- food
- energy
- reproduction
**Lesson**

- Review some of the ways we can show respect for the environment
  - Leave things in their home
  - Feed animals healthy food
  - Don't be wasteful
  - Plant plants, care for them
  - Don't litter/pollute
  - Be nice to all living things

- Explain today's task
  - Write about one thing you can do to be respectful to the environment
  - Explain what to do, how to do it, why do it, and results of doing it
  - Draw a picture

- Hand out papers

**Reminders**

**Supplies Needed**

- Work sheets

**Homework**

**Notes**
Lesson:

1. Review what showing respect to the environment means:
   - being kind to all living things
   - not polluting in any way
   - not being wasteful

2. Discuss that learning about and showing that learning is also a way to show respect.

3. What are all the different ways (things) we have learned about the environment this year?

4. Ask, "Can you think of some of the things Tech has done for the environment this year?" e.g., Eco Tree, composting, walking, recycling, etc.

5. Explain Task: Use the back of the worksheet from last class to make a poster showing how Tech has helped the environment this year.

Reminders:

Supplies Needed:

- Worksheet from last class

Homework:

Notes:
<table>
<thead>
<tr>
<th>Lesson</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Students are to use this period to finish up any incomplete work, starting with Eco Respect.</td>
</tr>
<tr>
<td>- If all are done, students may take turns presenting their work.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Reminders</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Supplies Needed</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Homework</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Notes</th>
</tr>
</thead>
</table>
Lesson: 5-18  Unit: Needs and Characteristics of Living Things  Topic: Altering Resources

<table>
<thead>
<tr>
<th>Lesson</th>
</tr>
</thead>
</table>
| Review: "What do animals need to survive?" → food, water, warmth, space, shelter, oxygen
| "What do plants need to survive?" → sunlight, water, warmth, space, carbon dioxide. |
| Ask: "Of these things, which of them get used up when used?" → food, water, oxygen, carbon dioxide. |
| *sunlight |
| Talk about each, and how they are altered when used: |
| *Food → energy removed, remainder returned to soil  *teach word "scat" = animal poop |
| → helps provide nutrients to soil |
| *Water → cycles through body, used as sweat, carries unwanted things out with "urine." Cleaned by soil for reuse. |
| *sunlight → plants use the sunlight to make their food |
| *O₂ → Animals breathe in oxygen, use it to help absorb their food, then breathe out Carbon dioxide. Plants do the opposite. |
| Hand out Worksheet. |

| Reminders |

| Supplies Needed |
| Worksheet |

| Homework |

| Notes |

Describe how things plants and animals use to meet their needs are changed by their use and are returned to the environment in different forms.
Lesson: 5-Fl  
Unit: Needs and Characteristics of Living Things  
Topic: Comparing Needs

Lesson

- Review: What do animals need to survive?
- What do plants need to survive?

- Ask: "Do humans need the same things as other animals?"  
  Yes
  "Do we get these needs in the same way?"  
  No
  Discuss: ex. shelter care us

Reminders

Supplies Needed

Homework

Notes

Investigate and compare the needs of humans and other living things, including the need for air, water, food, warmth, and space.
<table>
<thead>
<tr>
<th>Lesson</th>
<th>Unit: Needs and Characteristics of Living Things</th>
<th>Topic: Adaptation</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Lesson</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Reminders</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Supplies Needed</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Homework</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Notes</th>
</tr>
</thead>
</table>