

Grade 1 Science

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)

Talked about
- pollution
- dangerous animals
- war
- poverty

Reminders

Supplies Needed

- Ledger Paper
- Anecdotal Sheet

worksheet

Homework

Notes

Grade 1 Science

Lesson: 5-12

Unit: Needs and Characteristics of Living Things

Topic: Helping Environment

Lesson

- Review: "~~What makes a~~ How do you know if something is living?"
 - moves, grows, breathes, reproduces, reacts, gets energy, makes waste
 - "Why is a lamp not alive?" → does not grow, move, reproduce, breathe
 - "What physical characteristics would you use to describe a penguin?"
 - "What physical characteristics would you use to describe a rose?"
 - "Where is your brain? heart? lungs? stomach?"
 - "What is the purpose of heart? lungs?"
 - Pump blood Take in air
 - "What makes a healthy environment?" → clean air, clean water, healthy food, safe
- ~~Explain task:~~
 - Discuss that 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.
- Had at skit topics

Reminders

- Students work
- students present @ 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

Grade 1 Science

Lesson: 5-13

Unit: Needs and Characteristics of Living Things

Topic: Quiz

Lesson

- Review quiz procedures
 - eyes on own paper
 - no talking to others
 - Ask questions by raising hand, so I can help
- Hand out quizzes, ~~papers~~
- Read through questions
- Check each quiz as they finish
 - Use #3 and #7 to get extensions
- if done, students can work on wordsearch or finish-up

Reminders

Supplies Needed

- Quizzes
- Wordsearches

Homework

Notes

Grade 1 Science

Lesson: 5-14

Unit: Needs and Characteristics of Living Things

Topic: Connections Amongst Living Things

Lesson

- Read intro paragraph from worksheet
 - Explain worksheet → allow questions to turn into a class discussion
 - Hand out worksheet
 - Students work
- * Use time to conference a bit quiz.

Reminders

Supplies Needed

- worksheet
- Quizzes

Homework

Notes

describe what living things provide for other living things

- O_2 , CO_2
- food
- shelter
- co-operation

Grade 1 Science

Lesson: 5-15

Unit: Needs and Characteristics of Living Things

Topic: Showing Respect to Environment

Lesson

- Review some of the ways we can show respect to 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} ~~what~~ you can do to be respectful to the environment
 - Explain what to do, ~~why~~ how to do it, why do it and results of doing it
 - Draw a picture
- Hand out papers

Reminders

Supplies Needed

- Worksheets

Homework

Notes

Grade 1 Science

Lesson: 5-16

Unit: Needs and Characteristics of Living Things

Topic: Eco Respect at Tuck

Lesson

- Review what showing respect to the environment means
 - being kind to all living things
 - not polluting in any way
 - not being wasteful.
- Discuss that learning about ^{something}, and sharing that learning, is also a way to show respect.
- What are all the different ways (things) we have learned about the environment this year?
- Ask "Can you think of some of the things Tuck has done for the environment this year?"
e.g. Eco Tree, composting, walking school bus etc.
- Explain Task → Use the back of the worksheet from last class to make a poster showing how Tuck has helped the environment this year

Reminders

Supplies Needed

- worksheets from last class

Homework

Notes

Grade 1 Science

Lesson: 5-17

Unit: Needs and Characteristics of Living Things

Topic: Work Period

Lesson

- Students are to use this period to finish up any incomplete work, starting with Eco Respect.
- If all are done, students may take turns (most) presenting their work.

Reminders

Supplies Needed

Homework

Notes

Grade 1 Science

Lesson: 5-18

Unit: Needs and Characteristics of Living Things

Topic: Changing Altering Resources

Lesson

- 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 → ^{some} energy removed, remainder returned to soil * teach word "scat" = animal poo
→ helps provide nutrients to soil
 - water → Cycles through body, used as sweat, carries unwanted things out with "urine". Cleaned by soil for re-use.
 - sunlight → plants use the sunlight to make their food
 - O_2/CO_2 → 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

Grade 1 Science

Lesson: S-11

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 those needs in the same way?" → No
→ Discuss: ex. shelter cave vs. house.

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

Grade 1 Science

Lesson: 5-20

Unit: Needs and Characteristics of Living Things

Topic: Adaptations

Lesson

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Reminders

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Supplies Needed

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Homework

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Notes

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