

Grade 1 Science

Lesson: 5-1

Unit: Needs and Characteristics of Living Things Topic: Intro

Lesson

- Inform class that we are starting a new unit today (as last unit).
- Write "Needs and Characteristics of Living Things" on board
- Explain today's activities
 - answer two questions with as much info as possible
 - Do a title page on reverse side of worksheet

Reminders

Supplies Needed

- worksheets

Homework

Notes

Grade 1 Science

Lesson: 5-2

Unit: Needs and Characteristics of Living Things

Topic: Living and Non-Living
But a live? Objects

Lesson

- ~~Inform~~ Inform students that we will be going outside and while out there they are to be looking at all of the objects around them. Specifically they are looking to sort the objects as living or non-living.
- Review safety → stay with ~~group~~, don't pick up things
- Take students on walk around school property. *
- After returning, put two pieces of chart paper on the floor at opposite sides of the room → "Living" and "Non-Living" in middle
- ~~Have students vote on each student a marker~~
- ~~Students write something they saw~~
- Have student volunteer something they saw, suggesting where they think it should go
- give them a marker, they go write it.
- Continue to add more objects.

↓
off
Next
class

Reminders

- Bring watch
- Tell office that class is outside

Supplies Needed

- Chart Paper
- Markers
- Watch

Homework

Notes

- * stop @ creek, stop somewhere near broken glass to talk safety + what should/should not be in the environment, go down to creek * review safety, go to oak tree (teach acorn whistle)

Grade 1 Science

Lesson: 5-4³

Unit: Needs and Characteristics of Living Things

Topic: Living and Non-Living

Lesson

- Review what was done last class → on walk, looking for living + non-living
- Place a piece of chart paper on opposite sides of the room
- In blue, have a student write "Living" on one, in red "Non-Living" on the other
- Have students line up in front of me
- Hold up a red and a blue marker (have ~ 3 of each) ^{on our walk}
- Student at front of line says something they saw ^{and} takes ^{of} the marker ~~at the~~ color that matches, they then write their object on the proper paper. * multiple students will end up writing at the same time
* students return marker when done, then go to end of line
- Continue until papers are FILLED with objects
- Have boys go to one, girls to the other → cross out duplicates
→ count total left
- Bring class together and discuss → Most common, most obscure, things that don't belong (glass)

Reminders

Supplies Needed

- Chart paper
- Blue + Red markers (2 different colors)

Homework

Notes

Grade 1 Science

Lesson: 5-4

Unit: Needs and Characteristics of Living Things

Topic: Is it alive

Lesson

- Review some of the objects listed on the chart paper last class
- Ask the class "How do you know it is alive?" "How do you know _____ is not alive?"
 - As students provide answers focus/highlight
 - ① Grow
 - ② Need Food/energy
 - ③ Make waste
 - ④ Reproduce
 - ⑤ Air (breath)
 - ⑥ water (drink)
 - ⑦ ~~Stethoscope~~
 - ⑧ ~~at night~~
 - ⑨ Move
 - ⑩ react to stimuli
- Read intro paragraph from worksheet
 - have students try to guess the 7 things
- Repeat all 7 multiple times
- Explain tasks on worksheet
- hand out worksheet
- Students work

Reminders

Supplies Needed

- Chart Paper from last class
- Worksheets
- Cut outs
- Cut-outs

Homework

Notes

Grade 1 Science

Lesson: 5-5

Unit: Needs and Characteristics of Living Things Topic: Traits of Living Things

Lesson

- Use the first portion of class to allow students to finish up work from last class
- When most are complete, take up answers
- Have students discuss the car paragraph (2 minutes)
- Discuss as class
- Have students get in pairs (or 3) → look around room/in books for non-living things that have traits of living things
→ discuss why they are non-living
- Bring students to the carpet to discuss what they found

Reminders

Supplies Needed

Homework

Notes

Grade 1 Science

Lesson: 5-6

Unit: Needs and Characteristics of Living Things

Topic: Physical Characteristics

Lesson

- Remind students that our unit is called "The Needs and Characteristics of Living Things"
- Ask class "What does characteristics mean?" (Review) → Things that make an object what it is. How you know what something is.
- Explain that today we will talk about "Physical Characteristics" → Things we can describe with our senses. e.g. — is tall, not — is nice.
- Review senses
- Hold up a picture of a duck → ~~"Is this living or non-living?"~~ "What is this?"
→ ~~"How do you know?"~~ "How do you know?" - feathers, bill, colours, etc.
→ Explain that these are physical characteristics
→ "What else do we know about duck?" Quack, swim, fly
→ "These are not physical characteristics, they are things it can do."
Determine if it is living by asking 7 questions for
Discuss first, then record
- Explain task → small group, given picture, describe physical characteristics of living thing, think of other info you may know, rotate when told.
- Set up groups, students go through all 4 rotations.
- ~~Choose own living thing at end, repeat same procedure as rotations with it.~~

* "What else could you describe?"
→ small, kind of round, two feet, two wings, green, blue, brown, etc

Reminders

Supplies Needed

- Picture Pages
- Recording Sheet

Homework

Notes

* Game - all stand up, state physical characteristic of certain person, if not you sit down, show that in ~ 4 or 5 characteristics we can tell which student it is
e.g. Blond hair - blue eyes, - girl - tall

Grade 1 Science

Lesson: 5-7

Unit: Needs and Characteristics of Living Things

Topic: ~~How~~ Physical Characteristics

Purpose (adaptations)

Lesson

- Review - "What is a physical characteristic?" - something we learn about an object from our senses
- Ask "Why is it important to be able to describe physical characteristics?" - to tell things apart
- Ask "Do you think there is a reason for certain physical characteristics?" - Discuss
 - example → ducks have webbed feet - it allows them to swim better
 - rabbits have big ears - it allows them to hear better to stay away from predators
- Explain task → look again at our pictures from last class
 - Try to think of why the living thing has some of its physical characteristics
- Students divide into ~~4~~ 5 groups, ~~write~~ no written, only discussion
 - * one group with me to discuss physical characteristics about living things
- Rotate through all 5 rotations
- When done, students get in groups of 2 or 3 → make "riddles" using physical characteristics
- Have students read their "riddles", others try to guess ~~write~~

Reminders

Supplies Needed

- Pictures * for this lesson and the ones from last lesson
- ~~For~~ Anecdotal sheet

Homework

Notes

- Use group time for assessment

Identify the location and function of major parts of the human body, including sense organs

Next lesson

Grade 1 Science

Lesson: 5-8

Unit: Needs and Characteristics of Living Things

Topic: Human Physical Characteristics

Lesson

- Ask "What physical characteristics would you use to describe a human?"
"What makes a human different than other animals?"
- Draw the outline of a person on a piece of chart paper
- Have students name a human body part
 - name
 - location (they come up and point to where it would be)
 - purpose
- * Be sure list includes: eyes, ears, nose, mouth, tongue, hands, feet, lungs, heart, brain, hair, stomach, arms, legs, head
- Hand out and Explain worksheet
- Students work on worksheet

Reminders

Supplies Needed

- Chart Paper
- Markers
- Worksheet

Homework

Notes

Grade 1 Science

~~Movie Star~~
~~Resume~~
Missing/Wanted
~~Poster~~

Lesson: 5-9

Unit: Needs and Characteristics of Living Things

Topic: Body Parts - ~~Movie Star~~ Poster

Lesson

- Review some body parts, talking about location and purpose
 - eyes, ears, mouth, nose, tongue, teeth, heart, brain, lungs, stomach
- Explain today's task
 - Choose a body part
 - Make a ~~movie star~~ ^{missing/wanted} resume for that body part
- Discuss what a ~~resume~~ ^{missing/wanted poster} is, then ask what ~~should be on it~~ ^{last known}
~~would want on their resume~~
 - picture
 - ~~contact~~ ^{location}
 - ~~description~~ ^{other info}
- Show example ~~resume~~
- Students choose body part and begin work

Reminders

Supplies Needed

- Example ~~Resume~~ Poster
- Paper

Homework

Notes

Grade 1 Science

Lesson: 5-10

Unit: Needs and Characteristics of Living Things

Topic: Poster - Work

Lesson

- Review task (see last lesson)
- Students work on poster
- If done students do finish-up
- Hand out quiz note

Reminders

Supplies Needed

- Quiz note

Homework

Notes