

Grade 1 Science

Lesson: 3-1

Unit: Daily and Seasonal Changes

Topic: Intro

Lesson

- Use start of lesson to finish previous unit test if necessary.
- Inform students that we are starting a new unit today
"Daily and Seasonal Changes"
- Ask "What changes happen throughout the day?" (night and day)
"What are the different seasons?"
"What is different about the seasons?" (temp)
- Instruct students to make a title page for the new unit
→ Write "Seasons"
→ Draw lots of colourful pictures about seasons

Reminders

Supplies Needed

- Tests (if necessary)
- Blank Paper

Homework

Notes

Grade 1 Science

Lesson: 3-2

Unit: Daily and Seasonal Changes

Topic: Introduction

Lesson

- Ask students "what the weather is like outside?" → take several answers, be sure one is a temperature type
- Ask "what would it be like if it was July?"
- Ask "why is it different?"
- Discuss the 4 seasons, have students repeat the names in order multiple times.
 - temp / weather
- ~~Ask~~
- Ask "what would it be like if it were past bedtime?"
- Ask "why is it different?"
- Discuss night vs Day
- Have students brainstorm a list of night/day and season / weather words.
 - write words on board
- ~~Give each student a blank piece of paper and have them write~~
a title page & ~~back of vocab~~ → write "Daily and Seasonal Changes" on the board
- Hand out unit vocab sheet and explain

Reminders

too complicated
put on back of title page

Supplies Needed

- ~~Blank paper~~
- Unit vocab sheets

Homework

Notes

- Add words to vocab list, then leave some lines for kids to add more?
- Really need to explain vocab sheet
→ put title on page for them?

Grade 1 Science

Lesson: 3-3

Unit: Daily and Seasonal Changes

Topic: Sequences / Cycles

Lesson

- Provide each ^{Table} group with a set of picture cards (stages of life) and ask them to put them in order
- Take up answers → post for all to see
- Discuss that this shows a sequence → A list of things in the order they happen
- Provide another example orally → cook hotdog, put it in bun, add ketchup, eat it
- Provide each table group with new set of picture cards (chicken) and ask them to put them in order
- Take up answers → discuss differences
- Discuss that this is a cycle → A sequence that ^{keeps repeating} ~~continues in a loop~~
→ Post chicken cards in a "circle"
- Provide another example orally → Rain falls, collects in lakes, evaporates, into clouds, rains ...
- Hand out worksheet ^{read pg 1} and explain task on p. 2
- Students work on worksheet for remainder of class

say it in wrong order as well to stress order

* hold up cards and continually flip

have students draw ~~the~~ "1", "2", "3" fire trucks and season names p. 2

Reminders

Supplies Needed

- stages of life pictures → human
→ chicken

Homework

Notes

- "egg hatches to chick"
- "chick grows to chicken"
- "chicken lays egg"

Grade 1 Science

Lesson: 3-4

Unit: Daily and Seasonal Change Topic: Daily Activities - Cycle

Lesson

- Discuss with students what they do before school

- When do you wake up?
- What is the first thing you do?
- What do you do next?

} record all answers on
chart paper - Title "Before School"

- Repeat for school time

- When does school start?
- What do you do first at school?
- What do you do next?

} record on separate chart paper
- Title "At School"

- Repeat for after school

- What do you do after school?
- What do you do after supper?
- What do you do before bed?

} record on separate chart paper
- Title "After School"

- Divide class into 3 groups

- remind groups what sequence looks like
- each group gets one chart paper
- each group gets large mural paper
- draw a sequence of events
- * add arrows



Reminders

- * Explain task for next class: Each grade 1 given 1 of the things we listed, make poster (regular piece of paper), put together as "our daily cycle" displays mean.
- Discuss cool factor of all grade 1's working together

Supplies Needed

- Chart paper
- ~~Mural paper~~

Homework

Notes

- * Post murals as cycle in hallway outside room
- Takes almost full period to make lists.

Grade 1 Science

Lesson: 3-⁵

Unit: Daily and Seasonal Changes

Topic: Our Daily Cycle

Lesson

- Remind students of task
 - lists from previous class compiled into one
 - each student assigned to one task from list
 - draw a picture to represent task
 - write a sentence explaining task
- Read through list to show students how it came together
- Call one student at a time to tell them their task
- Students are to do their picture, leaving the bottom of the page to write their sentence.
- When students are done they are to bring a scrap piece of paper to me, onto which I will write their sentence.
- Students copy sentence onto paper.



*
example
on chart
paper

Reminders

- Decide on assigned tasks prior to class (see example)

Supplies Needed

- List of assigned tasks
- Blank paper

Homework

Notes

- Stress portrait, not landscape
- ? ~~make~~ do sentence on computer?

Grade 1 Science

Lesson: 3-6

Unit: Daily and Seasonal Changes

Topic: Day and Night

Lesson

- Inform students that they will need to finish up their work from last class by the end of today's period
- Explain today's task to students (worksheet)
 - Do list first (note 2 suns → sunglasses = light)
 - Next do sentences
 - ~~when finished do~~ Do pictures on back
 - when finished bring to me
 - ~~check~~
- Hand out incomplete posters (last class)
- Hand out today's work
- Check first page when done
- When done 2nd page give students "challenges"
 - add animal to both
 - colour windows
 - add person
 - colour whole page.

Reminders

- Put daily cycle book in door-bag

Supplies Needed

- Posters from last class
- Worksheets

Homework

Notes

Grade 1 Science

Lesson: 3-7

Unit: Daily and Seasonal Changes

Topic: Day vs Night Activities

Lesson

- Have students sit in a circle, place a picture in the middle.
 - What is this a picture of?
 - When might you do this activity?
 - Why would you do it then?
 - Repeat with multiple pictures
 - When complete, discuss the general differences between day and night
 - sun vs moon and stars
 - light vs dark
 - warm vs cool
 - Show students their worksheet and explain
 - Students work for remainder of period
 - Bring work up to be checked when done
 - Colour it finished
- * Review what was drawn on previous worksheet
- Show students "Our Daily Cycle" book
 - Read through
 - Discuss (workings together).
 - Finish up other work for rest of period.

Reminders

- Complete daily cycle book prior to class

Supplies Needed

- Pictures
- ~~Worksheets~~

Homework

Notes

- Can use end of period to check student work

Grade 1 Science

Lesson: 3-08

Unit: Daily and Seasonal Changes

Topic: Sun throughout the Day

Lesson

- Review things that are done in the day time vs the nighttime
 - picnic vs campfire
 - bird watching vs star gazing etc
- Review difference between night and day
 - light vs dark
 - "warm" vs "cool"
- Discuss the difference in terms of the sun
 - sun provides light for day
 - " " heat for day
- Show and explain worksheets
 - ensure understanding of light levels and thermometers
- Hand out worksheets
- Read ~~work~~ work
- Check answers

Reminders

Supplies Needed

- Worksheets
- Cutouts

Homework

Notes

Grade 1 Science

Lesson: 3-119

Unit: Daily and Seasonal Changes

Topic: Rotation of the Sun

Lesson

- Review the sun providing varying levels of light and heat
- Discuss "rotation" of the sun → it doesn't go away, we just can't see it
- Explain craft
 - Divide plate into 4 → Draw Day, ~~evening~~, night ~~morning~~
 - Second plate → cut hole
 - draw an outdoor scene
 - Pin plates together - rotate to change time of day

See instructions

Reminders

Supplies Needed

- Paper plates
- Butterfly pins
- Example
- Scissors
- tape
- Popsicle sticks

Homework

Notes

Two plates



Grade 1 Science

Lesson: 3-¹⁰

Unit: Daily and Seasonal Changes

Topic: Sun and Stars Video

Lesson

- As equipment is being set up, talk to students about safety associated with electricity, and wires on ground
- Play video → Pause at example to show size distortion at a distance ~ 7:00
 - * Video is only 22 minutes
- Pause at a few other spots to discuss

Reminders

Supplies Needed

- Video
- Laptop
- Projector
- Speakers

Homework

Notes

~~make some kind of HW task~~