

# Grade 3 Science

Lesson: 3-11      Unit: Soils in the Environment      Topic: Planting Seeds

## Lesson

- Review → what are different types of soil? - sand, clay, silt, loam  
→ what are some of the differences? - colour, texture, particle size, water drainage...
- "What would you say is the most important use for soil?" - Plants
- "Do you think all soils can grow plants the same?" - No
- Show and read experiment intro, explain general concept → grow in different soils, observe
- Hand out and have students read procedure (remind students why we read all first)
- Review soil safety → No throwing, clean up spills, wash hands
- When read students work in groups of ~ 3
- Remind students to do hypothesis first
- If students finish early, they are to quiz each other w/ review sheet or finish up compost questions.
- Remind students that their quiz is in 2 periods.

## Reminders

- Set up supplies ahead of time (if option)

## Supplies Needed

- |        |                       |                |
|--------|-----------------------|----------------|
| - Sand | - Paper Cups          | - Radish Seeds |
| - Clay | - Beakers             | - Worksheets   |
| - Loam | - Graduated Cylinders |                |
|        | - Measuring Cups      |                |

## Homework

- Study for quiz

## Notes

## Grade 3 Science

Lesson: 3-12

Unit: Soils in the Environment

Topic: Roots

### Lesson

- Inform class that today's lesson will be done independently
- Handout worksheets and explain task to students
- \* → Read info  
→ Answer questions
- When complete students are to finish up any incomplete work
- Students may also quiz each other for the quiz next class
- Remind students that their quiz is next class
- Take up answers at end of class

### Reminders

- Worksheets

### Homework

- Study

### Notes

## Grade 3 Science

Lesson: 3-13

Unit: Soils in the Environment

Topic: quiz

### Lesson

- Review quiz writing rules
  - quiet
  - eyes on own paper
  - hand up if question
- Hand out quizzes
- Students work quiz
- When done students may do any finish up work

### Reminders

- ~ Quizzes.

### Supplies Needed

### Homework

### Notes

## Grade 3 Science

Lesson: 3-14

Unit: Soils in the Environment

Topic: Seeds of Ants

### Lesson

- Inform students that it has been one week since we planted our seeds
- Explain that students are to look at all three and make observations for all three
  - review detailing observations, not quick scribble
- When finished students are to read information on ants, then they may complete other unfinished work.

### Reminders

- Students who need to do work or tests can do so once Exploration of Day is done

### Supplies Needed

- Ants info

### Homework

### Notes

3/26/2015  
Gardening Unit

## Grade 3 Science

Lesson: 3-15

Unit: Soils in the Environment

Topic: Ants & Marmots

### Lesson

- Discuss the things that animals need to survive - food, water, air, shelter.
- Talk about different types of shelter → nests, caves, burrows  
→ underground
- Talk about various animals who make burrows their home.
  - chipmunks → ants → Fox → Mice
  - insects → worms → Gophers → Tarantula etc
- Explain that today they will be reading ~~and~~ about two different animals
  - ① The ant (should have read last class)
  - ② The Vancouver Island marmot.
- Read ~~alot~~
- Students read, then answer questions (encourage them to read twice and highlight)

### Reminders

to do

### Supplies Needed

- Ants paper
- Marmot paper

### Homework

to do

### Notes

Ants

## Grade 3 Science

Lesson: 3-16

Unit: Soils in the Environment

Topic: Moles

### Lesson

- Take students to computer lab (or laptops)
- Guide students to webpage (on moles) ← found on my webpage.
- Explain task to students
  - read information
  - write 4 or 5 questions based on info
    - \* at least 1 question must be soil related
  - Add a picture (taken from webpage)
  - Print page
  - give to someone else to do for HW.

### Reminders

Book Computers

### Supplies Needed

### Homework

### Notes

1.16.5

## Grade 3 Science

Lesson: 3-17

Unit: Soil

Topic: Seeds 3 → Letter

### Lesson

- Inform class that it has now been two weeks since we planted our seeds.
- Organize cups by soil type and allow students to observe class set
- Once students have observed they are to complete their observation table and then answer questions
- If students finish quickly they may work on other work
- Stop students with ~5 minutes remaining
- Discuss upcoming task so they can start brainstorming
  - potted soil was ~450 seed starts ~<sup>1</sup>/<sub>6</sub>
  - write letter to seed starter company asking why we should pay so much when results similar  
→ explain what we did

\* see next lesson for more details

### Reminders

- \* At some point remind students of proper observations
  - detail using 5 senses, not quick scribble of a picture

### Supplies Needed

### Homework

### Notes

# Grade 3 Science

Lesson: 3-18

Unit: Soil

Topic: Soil Company Letter - 1

## Lesson

- ~~Review task with~~ - Ask students "What is a good pair of running shoes?"
- Discuss idea than Name brand advertise, whereas others do not  
→ "Is this why we think they are good?"
- Review results of our experiment → "cheap" soil and "Expensive" Seed Starter Mix grew at same rate
- Review task → Write a letter to Seed Starter company
  - Explain what we did (in detail)
  - Ask company why their mix costs more or why we should buy
  - Follow proper Gr 3 letter writing
  - Get ~~#3~~ periods ① Brainstorm, Draft <sup>Finish</sup> ② Writing, edit, correct <sup>correct</sup> ③ Good copy
- Students may start their writing
- ~~Post 2 letters on wall~~

## Reminders

## Supplies Needed

- lined paper
- Experiment results
- Seed Starter mix bag
- Requirements

## Homework

## Notes

I typed this → letter notes

- ① Do Gr 3 format
- ② Explain what we did
- ③ Explain why we did it
- ④ Explain how we made it fair
- ⑤ Explain results
- ⑥ Encourage a lot why we should buy their product

## Grade 3 Science

Lesson: 3-19

Unit: Soil

Topic: Soil Company Letter -z

### Lesson

- Students are to use this period to work on/finish their letters
- Remind students of requirements
  - Explain what we did
  - Enquire as to why we should buy
  - Follow Grade 3 letter format

### Reminders

7:30

### Supplies Needed

-lined paper.

### Homework

### Notes

# Grade 3 Science

Lesson: 3-20

Unit: Soils

Topic: Soil Additives

Soil Letters 3 - Good Copy

## Lesson

- Inform students that today is their last period to work on their letters
- Students are to get rough copy proof read by me
- A good copy is to be written.
- When good copy is done students are to work on Finish up then students may do crossword.

## Reminders

None

## Supplies Needed

- Letters
- Lined paper
- Crosswords

## Homework

## Notes