

Grade 4 Science

Lesson: 2-11

Unit: Rocks and Minerals

Topic: Work/Study Period

Lesson

- Inform students that today will be used to finish incomplete work then to study for quiz

- Students work on do-tons, then study

- Discuss study techniques (reading alone, with partner, quizzing partner)

- Half way through, start quizzing students orally.

- Inform students quiz in 2 periods from now

Reminders

Supplies Needed

- Extra review sheets.

Homework

Notes

Grade 4 Science

Lesson: 7-12

Unit: Rocks and Minerals

Topic: Rock Categories

Lesson

- Hand out and explain worksheet
 - Read explanation of a type of rock
 - Determine what type it is
 - Explain how you knew what type
- Hand out worksheets
- Take up at end of class

Reminders

Supplies Needed

- Worksheets

Re-do worksheet
to be more grade
friendly

Category _____

Point	Explanation
_____	_____
_____	_____
_____	_____

Grade 4 Science

Lesson: 2-13

Unit: Rocks and Minerals

Topic: Practice Quiz

Lesson

- Explain that quiz will be next class
- ~~Hand out~~ Explain today's class
 - Individually write practice quiz
 - Take up answers (correcting in different colour)
 - Take home practice quiz to study
- Explain that the real quiz will be the same information, only it will be written answers, not T/F or multiple choice
- Hand out quizzes, take up with ~ 10 minutes left

Reminders

Supplies Needed

- Practice Quizzes

Homework

- Study

Notes

Grade 4 Science

Lesson: 2-14

Unit: Rocks and Minerals

Topic: Quiz

Lesson

- Review quiz procedures
- Hand out quizzes
- When students say they are done, remind them to check answers
- if finished, students label as "Done"
- Collect quizzes

Reminders

Supplies Needed

- Quizzes

Homework

Notes

Grade 4 Science

Lesson: 2-15

Unit: Rocks and Minerals

Topic: Birthstones

Lesson

- Have students finish tests from previous class
- When finished students do webquest about birthstones
 - Go to my webpage
 - Follow link
 - Get worksheet from me (or print?)
 - Answer questions

Reminders

Supplies Needed

- Worksheets
- Tests
- Computers

Homework

N

Make
Webquest

Grade 4 Science

Lesson: 2-16

Unit: Rocks and Minerals

Topic: Hardness Testing

Lesson

- Talk about rocks and minerals showing varying degrees of hardness
- Talk about Mohs scale ~~→ table = 2, attached to~~
→ read from worksheet
- Explain task
 - choose rock, write name on sheet
 - try to scratch with fingernail, indicate "✓" or "X"
 - if "X" try penny ... nail ... steel file
 - use chart to decide Mohs #
- Review safety.
- Hand out worksheets, set out supplies, students begin
- Meanwhile, open webpage so students can check answers when done
- Clean up, count supplies.

Reminders

Supplies Needed

- Pennies (1 per)
- Nails (1 per)
- Steel Files
- Worksheets
- Box of labelled rocks
* preferably old set
- safety goggles

Homework

Notes

Grade 4 Science

Lesson: 2-17

Unit: Rock and Minerals

Topic: Life of Aluminum Can

Lesson

- Hand out quiz → explain not for marks
- Read questions, students circle answers
- Show Life cycle of aluminum can slideshow
 - discuss each step
- Show video "What's one can?"
- Take up quiz answers
- Explain coloring book
 - show life of can
 - Work as group to color
 - put together and give to primary class

Reminders

Supplies Needed

- Quiz
- Quiz answers
- Computer
- Projector
- Coloring Book

Homework

Notes

- Make powerpoint → pics from video
- Contact pepi, get samples

Grade 4 Science

Lesson: 2-18

Unit: Rocks and Minerals

Topic: Erosion

Print
read's
get
from
supply
plans

Lesson

[Empty space for lesson content]

Reminders

[Empty space for reminders]

Supplies Needed

- Books
- worksheet

Homework

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Notes

[Empty space for notes]



Grade 4 Science

Lesson: 2-19

Unit: Rocks and Minerals

Topic: Mining

Lesson

- Read magazine article
- Discuss
- Read text sections
- Discuss
- Explain worksheet
- Hand out worksheet
- Students work for remainder of period.

Reminders

Supplies Needed

- Magazine article
- Books
- worksheet.

Homework

Notes

Need Take up period

Grade 4 Science

Lesson: 2-20

Unit: Rocks and Minerals

Topic: Mining Cookies

Lesson	
<p><u>Wash hands</u></p>	
<ul style="list-style-type: none">- Give each student a paper towel- Have each student take a toothpick and cookie- Explain task<ul style="list-style-type: none">-> Do not eat cookie-> Use toothpick and fingers to extract chocolate from cookie- the Remind students to keep it on paper towel- students perform task- Discuss damage to "land", availability (some have more chocolate)- Ask what would happen to wildlife if your cookie was an ecosystem?- students may eat cookie- wash hands- Use remaining time to finish other work	
Reminders	
Supplies Needed	
<ul style="list-style-type: none">- Cookies- Paper Towel- Toothpick	
Homework	
Notes	