

# Grade 1 Science

Lesson: 2-1

Unit: Energy in Our Lives

Topic: What is Energy

## Lesson

- Have students jog on spot (slow + fast), hop in place, do jumping jacks etc
  - "What did we just do?" - exercise
  - "What happens when you jog for a short time?", "long time?"
  - "What do you use when we do these activities" → Energy
- Have students talk about times when they have heard people talk about their energy. ex "I have no energy.", "Where did you get all that energy!"
- Discuss meaning of those examples
- Ask about other situations they have heard people talk about energy
- On chart paper, make a web with "Energy" in the middle, and the student ideas around the outside
  - (power)
  - (lights)
  - (Energy)
- Define energy ⇒ Energy makes things happen

## Reminders

- Chart paper
- markers

## Homework

## Notes

- Talk about nutrition break followed by lunch

- "What do you do after coming inside?" → eat lunch
- Pretend I am alien from another planet "What is lunch?" "what is eat?"
- lead to eating puts food in stomach to get energy.

2-2  
Stage

## Grade 1 Science

Lesson: ~~2-2~~

Unit: Energy in Our Lives

Topic: The Sun

### Lesson

- Put lyrics to "Mr. Sun" up
- Teach and play song.
- Put "What we know about the sun" on a piece of chart paper
- Have students volunteer information about the sun (write on paper)
  - light, warmth, energy + others
- Ask students "what would happen without the sun?"  
"what would happen to the plants? Animals? People?"
- Tell students that the sun is the most important energy source.
- Hand out work sheet
  - students draw pictures to show the things the sun does for us.
- If done, "Energy" title page on back
- Review → Energy is what makes things happen

### Reminders

### Supplies Needed

- CD Player
- "Mr. Sun" CD
- "Mr. Sun" - Lyrics
- Worksheet
- Chart Paper
- Markers

### Homework

### Notes

chap 23

# Grade 1 Science

Lesson:

Unit: Energy in Our Lives

Topic: Energy Paths

## Lesson

- Review "When we exercised, what did we use?" → Energy; what is energy → ~~the~~ makes things happen
- Ask "Where do we get energy to be able to exercise?" → Food
- Talk about different foods, and how they get energy. → animals, plants  
→ sun
- Discuss the sun being the main source of energy for the earth  
→ Life not possible without the sun
- Discuss an "Energy Chain" as energy being passed from one thing to the next.
- Show and explain worksheet.
- Handout worksheet.
- Students work for remainder of period (colour if finished)  
or work on title page
- Take up if time

## Reminders

- Worksheets

## Homework

## Notes

Chalk to  
2-1

## Grade 1 Science

Lesson: ~~2-1~~

Unit: Energy in Our Lives

Topic: Making energy chain

### Lesson

- Explain game to students → each get card  
→ arrange into energy chains
- Hand each student a card
- Students get in lines to form energy chains (only one sun)
- Discuss → all energy coming from the sun  
→ next to sun is all plants
- Give sun "energy" (bean bags or something), have them pass to plant, then plants pass to ~~an~~ animal etc
- Discuss movement of energy so each living thing gets it but it all comes from the sun.
- Students return to desk.
- On ~~back of sun worksheet~~ <sup>Good Paper</sup> students draw their own Energy Chain
- Colour when done.

### Reminders

7:30

### Supplies Needed

- Energy Chain Cards
- ~~Worksheet~~ (From previous class)
- "Energy" (beanbags, blocks etc)
- Good Paper

### Homework

### Notes

- Do not show an example, they copy it.

*Chad*  
25

## Grade 1 Science

Lesson: 23

Unit: Energy in Our Lives

Topic: Energy Input /sources

### What is energy - makes things happen

- Review - humans getting their energy from food, which comes from the sun
  - Discuss the terms "source of energy" and "input"
  - Ask students to volunteer ideas of things that use energy, then ask what their energy source is.
    - ex. car - gas
    - try to get examples for: electricity, gas, sun, wind and muscle
  - Show and explain worksheet
  - Hand out worksheet
  - Student work for remainder of period (colour when finished)
- so energy makes things grow

### Reminders

None

### Supplies Needed

- Worksheets
- Cut outs
- scissors
- glue

### Homework

- Remind students to put glue on small piece of paper

~~Chapel 26~~

## Grade 1 Science

**Lesson:** ~~2-4~~

**Unit:** Energy in our lives

**Topic:** Energy Output

X

### Lesson

- Review the concept of energy input, energy can come from many sources. Review energy makes things happen and grow → add "move"
- Show students fan and toaster
- Ask "What is the source of energy for \_\_\_?" (ask about lot)
- Plug in and have a student turn each on.
- Ask "What is happening?" → air moving (fan)  
→ heating up (toaster) \* talk about other effects, ie. light from toaster
- Discuss the term "output" and different types of output  
heat, light, movement, sound
- ~~Review all (energy input / output)~~  
~~Explain worksheet~~  
~~- Hand out worksheet~~  
~~- Students work~~  
~~- Take up at end of period~~
- use any extra time as finish up or take-up

New lesson  
27

### Reminders

None

### Supplies Needed

- worksheets
- toaster, fan

### Homework

None

### Notes

- ~~Review sheet~~

\* Take up sheet from last class

Charmelle  
EE  
2-7

## Grade 1 Science

Lesson: 2-4

Unit: Energy in our lives

Topic: Energy Output

X

### Lesson

- Review the concept of energy input, energy can come from many sources. Review energy makes things happen and grow → add "move"
- Show students Fan and toaster
- Ask "What is the source of energy for [fan]?" (ask about fan)
- Plug in and have a student turn each on.
  - air moving (fan)
  - heating up (toaster)
- Ask "What is happening?"
- Discuss the term "output" and different types of output  
heat, light, movement, sound

New  
Lesson  
#7

- Review all (energy, input, output)
- Explain worksheet \* Do example
- Hand out worksheet
- Students work for remainder of period
- Take up at end of period

### Reminders

### Supplies Needed

- Worksheets

### Homework

### Notes

\* Think sheet from this class

## Grade 1 Science

Lesson: 2-8

Unit: Energy in Our Lives

Topic: School Energy Sources

### Lesson

- Ask students where they see energy being used in the school.
- Brainstorm ideas
- Ask students how they think the things mentioned work, then where does the energy come from. (Furnace, Boiler, Electric, Gas)
- Explain that Mr Taylor has offered to give us a tour of the schools energy sources
- Discuss behaviour necessities + listening
- Take student on tour ~~if not available during period~~  
~~use time to walk around and compare~~  
~~not time~~
- When back in room discuss what was seen.
  - walk around school silently, pointing out things that use energy
  - orange time for tour

### Reminders

- Extra Adult

### Homework

### Notes

# Grade 1 Science

Lesson: 2-09

Unit: Energy in our lives

Topic: Thank you Cards

## Lesson

- Discuss tour from previous class → what was fun/cool/interesting?
- Discuss thanking Mr Taylor
- Provide supplies to make thank you cards
  - Write "Thank you Mr. Taylor" (provide example)
  - Draw pictures
  - sign names
- Students can make individual or group cards.

Review - Energy makes things happen, move and grow  
- Sources of energy → sun, elec, gasoline, muscle, wind, food  
- Output - heat, light, sound, movement

## Reminders

None

## Supplies Needed

- Paper, Markers etc
- ~~Scissors~~
- Example "Thank you Mr. Taylor"

## Homework

None

## Notes

# Grade 1 Science

Lesson: 2-40

Unit: Energy in our lives

Topic: Energy Video

## Lesson

- Review proper behaviour for watching a video
  - attentive listening
  - hands + feet to self
  - sit up
- Watch videos
- Discuss video as a class

~~extra time~~

## Reminders

etc.

## Supplies Needed

- TV
- VCR
- Videos "Exploring Energy" and "E is for Energy"  
circ# 705943      circ# 606106

## Homework

## Notes

\* Lesson can be done at any time in unit  
*good for supply*