

Materials Details Page:

ENGAGE:

For the class:

- Optional – “Here Comes the Sun” by the Beatles
- Sunny outdoor area

For each student:

- UV beads; available in science closet
- Pipe cleaners
- Sun print paper; available in science closet (laminated for yearly use)
- Science journal

EXPLORE:

For the class/group:

- Radiometer; available in science closet
- Materials needed for Data Sheet B:
Lamp
Flashlight
Hair dryer
Drinking straw
Mirror

- Chart paper/markers

For each student/group:

- Data Sheets A and B

EXPLAIN:

For each class:

- Radiometer
- Radiation cans; available from vendors of science teaching supplies (Science Kit) or use identical shiny cans and spray-paint one of them black
- Water
- Lamps at least 75-watt bulbs
- Thermometers (2)

For each group of students:

- Radiometers

For each student:

- Science journal

ELABORATE 1:

For the class:

- Sun Up, Sun Down* by Gail Gibbons
- Chart paper

ELABORATE 2:

For the teacher:

- Pre-measured cardboard strip
- Yellow butcher paper

For the class:

- Demo paper model of the sun (prepared ahead of time by teacher)
- Yellow beach ball
- 0.5 cm circle
- Meter sticks

ELABORATE 3:

For the teacher:

- Our Star – The Sun Transparency

For each student:

- Our Star – The Sun Page 1 and 2
- Glue
- Scissors
- Science journal

ELABORATE 4:

For the class:

- Large candle with more than 1 wick
- Matches
- Picture of the Sun
- Sentence strips

For each group of students:

- Science journal
- Sturdy pie plates or cake pans
- Whole milk (1-2 quarts)
- Food coloring (red and yellow)
- Pepper
- Dish soap (**NOT** Dawn)
- Dixie cups (small)
- Toothpicks

For each student:

- Science journal

EVALUATE :

For the class:

- Various books about the Sun
- Various materials to complete projects

For each student:

- Star Power Project Rubric
- Science journal