



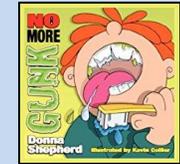
# Motivator Maps for Educators©

## Map for “Sun Makes Art”



### THINK LIKE A CHILD

**About the Books** - Arrow to the Sun captures the stylized look of Pueblo Indian art in this Caldecott Award-winning retelling of an ancient legend. A young boy searches for his father, but before he can claim his heritage he must first prove his worthiness by passing through the four ceremonial chambers: the kiva of lions, the kiva of snakes, the kiva of bees, and the kiva of lightning. Striking in its simplicity and grace, Arrow to the Sun vividly evokes the Native American reverence for the source of all life —the Solar Fire.



**Activate the Imagination** - While book #1 above can be used to activate student imagination in one way, a second book offers the contrast of providing practical information about the sun and sunburn. A section of the book offers rhymes along with colorful and fun illustrations in OUCH! Sunburn! Help children see the need to protect their skin in the sun. Sun Safety Tips included in the book reinforce the book's full theme.

#### Video Connections

[https://www.youtube.com/watch?v=6FB0rDsR\\_rc](https://www.youtube.com/watch?v=6FB0rDsR_rc)

<https://www.youtube.com/watch?v=T7ghJsZug60>

### TELL TRUE STORIES

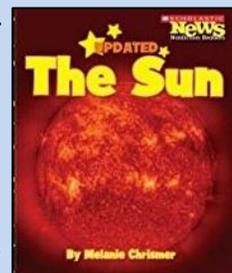
*Dr. David Hathaway* is a sun expert who works for NASA. National Aeronautics and Space Administration. He regularly conducts Question and Answers sessions for the public about the sun and the science of the sun in space. His research helps keep astronauts safe in space.



#### LEARN

About the sun through folklore, safety and science.

Teaching about the sun can offer kids a chance to think about the diverse way people interact with our sun. There is factual research aspect - The sun is a huge, glowing ball that provides light, heat, and other energy to our Earth. There is the cultural aspect – There is a rich history of early peoples and today’s cultures who create stories and art in honor of the sun. There the safety aspect – Sunburn is a growing and real danger to humans who do not learn why and how to protect themselves from the sun. Each can be a fun true story to share with kids as they prepare to do their own “sun art”.



#### Expert

**Dr. David Hathaway**





# DO the Motivator Simulator

## “Sun Makes Art”



### NGSS

**Kindergarten**  
K-PS3-1, K-PS3, CO2

### Multiple Intelligences

#### Naturalist

Ability to understand, feel, react positively to the world such as a naturalist, ecologist

#### Visual/Spatial

Ability to perceive the visual such as a sculptor, cartographer, artist,

#### Intrapersonal

Ability to self-reflect and be aware such as exhibited by a scientist, philosopher

## ADD COMPLEX THINKING

The complex thinking in this Motivator Map evolves are the science, folklore and safety that the sun brings to people, their imaginations and their common-sense view of the sun as a wonder and risk. The classic sun art paper affords an opportunity for an instructor to set up a project where they can also walk around and talk to the kids about the aspects of the Map that they emphasized as well as could be talked about in addition to the opening emphasis. Demonstrate for students a sun print.

- 1.) Let your child find interesting-looking natural objects in your backyard or local park. Mine mostly gathered leaves and flowers.
- 2.) Go into the shade and pull out a couple sheets of sun art paper.
- 3.) Arrange the leaves, flowers and whatever else your children find on the paper.
- 4.) Emphasize creativity and that the arrangement should be thought about in terms of how the print will look after is it completed.
- 5.) Next, put a clear acrylic sheet over the objects before going back into the sun. This holds down your things so they don't blow away in the wind or move around during the exposure time.
- 6.) Leave the paper in the sun for three to five minutes, or until it turns a very light blue.
- 7.) Put the papers into a tub of water for one minute. Because we wanted our images to turn out a deeper shade of blue, I added a few drops of lemon juice to the water (as suggested on the package).
- 8.) After the print has soaked for a minute, dry it on a towel. Once completely

**Challenge:** We talked about how the sun changed the color of the paper and how does it change the color of your skin. We talked about how this can hurt when the sun changes your skin color and burns it. Or, after sharing Arrow to the Sun, extend the learning into creative writing or recording their story idea. How would they write about the sun?

**SUGGESTED MATERIALS** – Sun print paper, plexi-glass covers, 2. small nature objects such as blocks, seashells, sticks, leaves, large tray for water bath, towels. writing paper if you want to extend it with writing.

