





Britannica Materials for Kindergarten Science

The following *Britannica Online School Edition* materials support Florida's Kindergarten Sunshine State Standards for Science. Orange County Public Schools can access these resources online at www.school.eb.com or via the links from the Britannica Web's Best Sites.


There are resources here for both students and teachers. Teacher resources, which are more advanced, are indicated by a bell  and resources that students can use are indicated by a smiley . All resources can be accessed from school or from home.


BIG IDEA 1: The Practice of Science


1. Science and Scientific Method

Sunshine State Standards: SC.K.N.1.1, SC.K.N.1.2, SC.K.N.1.3, SC.K.N.1.5

Note: Before doing activities that use food products, please consult science.ocps.net for safety guidelines.

 **Activity:** Learning Zone - Sounds - "Let's Read" - www.learningzone.eb.com

 **Activity:** Learning Zone - Sounds - "Animals" - www.learningzone.eb.com

 **Activity:** Learning Zone - Sounds - "Morning" - www.learningzone.eb.com

Three activities use the sense of hearing and offer practice matching sounds. When the web page opens, click Enter, then click Play. Look for "Sounds (trumpet)", "Sounds/Animals", and "Sounds/Morning" scrolling at the bottom of the page.

 **Activity:** www.learnnc.org/lp/pages/3258

Students use pumpkins in this activity to learn about observing and collecting information.

 **Activity:** www.learnnc.org/lp/pages/3294

Students describe how objects look, feel, smell, taste, and sound using all the senses.



Reading



Diagram



Online Resource



Activity



Video



Science and Scientific Method, *continued*

 **Activity:** www.col-ed.org/cur/sci/sci33.txt

This activity introduces senses and their related body parts.

 **Link:** www.kidsknowit.com/educational-songs/play-educational-song.php?song=It%20Is%20A%20Scientific%20Fact

'Scientific facts' are defined for young students in this entertaining song.

 **Link:** www.kidsknowit.com/educational-songs/play-educational-song.php?song=Home%20Sweet%20Harmony

Students will hear a variety of sounds in this song.

BIG IDEA 5: Earth in Space and Time

2. Gravity, Sun and Moon

Sunshine State Standards: SC.K.E.5.1, SC.K.E.5.2, SC.K.E.5.3, SC.K.E.5.4

 **Image:** www.school.eb.com/elementary/art-92846

 **Image:** www.school.eb.com/elementary/art-103418

 **Image:** www.school.eb.com/elementary/art-57368


The sun and the moon are depicted in several images.

 **Link:** www.kidsknowit.com/educational-songs/index.php?topic=Astronomy

This website offers several songs about astronomy. Click on the link, scroll down and see the list of songs on the right. Click a title to play the song.

 **Activity:** Learning Zone - "The Owl" - www.learningzone.eb.com

 **Activity:** Learning Zone - "Twinkle, Twinkle, Little Star" - www.learningzone.eb.com

 **Activity:** Learning Zone - "Up the Hill" - www.learningzone.eb.com

Activities and a story show day and night with the sun, moon, and stars. Enter, then click Play. Click 'First Steps' at the bottom of the page to find "The Owl" and "Twinkle, Twinkle, Little Star". Click 'I Can Read' at the bottom of the page to find "Up the Hill."



BIG IDEA 8: Properties of Matter

3. Properties

Sunshine State Standards: SC.K.P.8.1

 **Activity:** www.school.eb.com/lm/games/GE_1_11/GE_1_11.htm

Students decide if an object will sink or float when placed in water.

BIG IDEA 9: Changes in Matter

4. Changes

Sunshine State Standards: SC.K.P.9.1

 **Image:** www.school.eb.com/elementary/art-105595

See the three most familiar states of matter: solid, liquid and gas.

BIG IDEA 10: Forms of Matter

5. Forms

Sunshine State Standards: SC.K.P.10.1

 **Image:** www.school.eb.com/elementary/art-89873

This image depicts sound waves made by a dog barking.

 **Activity:** Learning Zone - “Animals” - www.learningzone.eb.com

 **Activity:** Learning Zone - “Morning” - www.learningzone.eb.com

These two activities use the sense of hearing to match sounds. Enter, then click Play. Look for “Sounds/Animals” and “Sounds/Morning” scrolling at the bottom of the page.



BIG IDEA 12: Motion of Objects

BIG IDEA 13: Forces and Changes in Motion

6. Motion 

Sunshine State Standards: SC.K.P.12.1, SC.K.P.13.1


 **Activity:** Learning Zone - “A Yak” - www.learningzone.eb.com

Students will see changes in motion in this story about a yak playing with a yoyo. Enter, then click Play. Click ‘First Steps’ at the bottom of the page for “A Yak”.

BIG IDEA 14: Organization and Development of Living Organisms

7. Senses and Plants and Animals 

Sunshine State Standards: SC.K.L.14.1, SC.K.L.14.2

 **Activity:** Learning Zone - “Up the Hill” - www.learningzone.eb.com

This activity includes a story about a group of animals in which they portray human characteristics. Enter, then click ‘Play’. Click ‘I Can Read’ at the bottom of the page for “Up the Hill”.