

HOWTOSMILE.ORG STEM ACTIVITIES AND LITERATURE CONNECTIONS

Howtosmile.org is an award-winning, free access STEM education website with almost 4,000 STEM activities for all ages. Try Howtosmile.org STEM activities and literature connections on this list, or visit Howtosmile.org and create your own STEM/literature connections.

Howtosmile.org, based at UC Berkeley's Lawrence Hall of Science, is an ALA Best Website for Kids and an AASL Best Website for Teaching and Learning. For more information, contact Deborah Rose at Howtosmile.org (deborahleerose@sbcglobal.net).

Below you will find:

Howtosmile.org Activity

Activity URL

Literature Connection Author

ABC's Naturally

<http://www.howtosmile.org/record/9688>

ABCs Naturally by Lynne Smith Diebel and Jann Faust Kalscheur

Animal Attraction

<http://www.howtosmile.org/record/512>

The Rose in My Garden by Anita Lobel

Beach Buckets

<http://www.howtosmile.org/record/683>

Out of the Ocean by Debra Frazier

Bee Builders

<http://www.howtosmile.org/record/1659>

In the Trees, Honey Bees by Lori Mortensen and Chris Arbo

Biodiversity of Feet

<http://www.howtosmile.org/record/4297>

Around the World on Eighty Legs by Amy Gibson

Boats Afloat

<http://www.howtosmile.org/record/7726>

Who Sank the Boat? by Pamela Allen

Bug Hunt

<http://www.howtosmile.org/record/1667>

Bugs Are Insects by Anne Rockwell and Steve Jenkins

Building Tall

<http://www.howtosmile.org/record/7879>

A House is a House for Me by Mary Ann Hoberman

Button, Button

<http://www.howtosmile.org/record/13633>

The Button Box by Margarete S. Reid

Buttons! Buttons!

<http://www.howtosmile.org/record/10256>

Frog and Toad Are Friends by Arnold Lobel

Classroom Dinosaur Dig

<http://www.howtosmile.org/record/8550>

The Magic School Bus in the Time of the Dinosaurs
by Joanna Cole and Bruce Degen

Cloud Fun

<http://www.howtosmile.org/record/5573>

The Cloud Book by Tomie de Paola

Coincidental Colonization

<http://www.howtosmile.org/record/6321>

"Gallapagos" Means "Tortoises" by Ruth Heller

Colored Shadows

<http://www.howtosmile.org/record/7376>

Andy Warhol: Pop Art Painter by Susan Rubin

Construction and Destruction

<http://www.howtosmile.org/record/8330>

Castle by David Macaulay

Counting Books: Make Your Own!

<http://www.howtosmile.org/record/1098>

Ten Creepy Monsters by Carey Armstrong-Ellis

Decayed Pumpkin

<http://www.howtosmile.org/record/17006>

Pumpkin Jack by Will Hubbell

Draggin' Boats

<http://www.howtosmile.org/record/1136>

Awakening the Dragon: The Dragon Boat Festival
by Arlene Chan and Song Nan Zhang

Dress Like a Frog

<http://www.howtosmile.org/record/2642>

Red-Eyed Tree Frog by Joy Cowley and Nic Bishop

Eatem Up

<http://www.howtosmile.org/record/13722>

The Gingerbread Boy by Paul Galdone

Exploring Pennies and Dimes

<http://www.howtosmile.org/record/10282>

Alexander Who Used to Be Rich Last Sunday
by Judith Viorst

Fish Mouths

<http://www.howtosmile.org/record/4738>

Fish Faces by Norbert Wu

Food Chains and Webs

<http://howtosmile.org/record/9017>

What Do You Do When Something Wants to Eat You
by Steve Jenkins

Freckle Face

<http://www.howtosmile.org/record/10288>

Freckle Juice by Judy Blume

From the Internet to Outer Space

<http://www.howtosmile.org/record/5480>

Maria's Comet
by Deborah Hopkinson

Fruits and Vegetables

<http://www.howtosmile.org/record/8198>

Growing Vegetable Soup by Louis Ehlert

George Washington's Secret Code

<http://www.howtosmile.org/record/5410>

George Washington, Spymaster by Thomas B. Allen

Get the Porridge Just Right

<http://www.howtosmile.org/record/9657>

Goldilocks and the Three Bears by Jan Brett

Habitat Observations

<http://www.howtosmile.org/record/3328>

The Empty Lot by Dale Fife and Jim Arnosky

Here, There and Everywhere

<http://www.howtosmile.org/record/13661>

Brown Bear, Brown Bear, What Do You See?
by Bill Martin Jr. and Eric Carle

Hexagon Hunt

<http://www.howtosmile.org/record/1206>

Snowflake Bentley by Jacqueline Martin

Homework, Hogwarts Style

<http://www.howtosmile.org/record/15329>

Harry Potter and the Sorcerer's Stone
by J.K. Rowling

Horton Senses Something Small

<http://www.howtosmile.org/record/13039>

Horton Hears a Who by Dr. Seuss

How Big Were the Dinosaurs?

<http://www.howtosmile.org/record/9308>

Prehistoric Actual Size by Steve Jenkins

How Much is a Million

<http://www.howtosmile.org/record/10290>

How Much is a Million by David M. Schwartz and Steven Kellogg

Human Interface Design

<http://www.howtosmile.org/record/5104>

Charlie and the Chocolate Factory by Roald Dahl

Hungry As A Caterpillar

<http://www.howtosmile.org/record/3439>

The Very Hungry Caterpillar by Eric Carle

I Spy, Describing Insects

<http://www.howtosmile.org/record/3440>

I'm Quick as a Cricket by Audrey Wood

Is it a Fish?

<http://www.howtosmile.org/record/7194>

What's It Like to Be a Fish? by Wendy Pfeffer and Holly Keller

Layered Fossil Parfait

<http://www.howtosmile.org/record/8184>

Dinosaur Bones by Aliki

Lengths of Ladybugs

<http://www.howtosmile.org/record/13775>

Ladybug on the Move by Richard Fowler

Lupine and Butterflies

<http://www.howtosmile.org/record/3684>

Miss Rumphius by Barbara Cooney

Make a Cast of a *Tyrannosaurus rex* Fossil

<http://www.howtosmile.org/record/8183>

Digging Up Dinosaurs by Aliki

Making Tangram Pieces by Folding Paper

<http://www.howtosmile.org/record/14006>

Grandfather's Tan's Story by Ann Tompert

Marble Painting

<http://www.howtosmile.org/record/9570>

Move It by Adrienne Mason

Maritime Munchies

<http://www.howtosmile.org/record/5534>

Stowaway by Karen Hesse

Measure Yourself

<http://www.howtosmile.org/record/1665>

Actual Size by Steve Jenkins

Measuring Up!

<http://www.howtosmile.org/record/13824>

Inch by Inch by Leo Lionni

Mix It Up

<http://www.howtosmile.org/record/13666>

Oliver's Fruit Salad by Alison Bartlett and Vivian French

Monitoring Amphibians

<http://www.howtosmile.org/record/14312>

The Frog Scientist by Pam Turner

Name-a-Saurus

<http://www.howtosmile.org/record/1420>

Tyrannosaurus Was a Beast by Jack Prelutsky and Arnold Lobel

Oh Buoy

<http://www.howtosmile.org/record/1456>

James and the Giant Peach by Roald Dahl

Paint a Butterfly

<http://www.howtosmile.org/record/1571>

Waiting for Wings by Lois Ehlert

Planet Oobleck

<http://www.howtosmile.org/record/5805>

Bartholomew and the Oobleck by Dr. Seuss

Poetry Calendar: Mix Math and Poetry

<http://www.howtosmile.org/record/1557>

Mathematically by Betsy Franco

Prepare for a Dock Shop Field Trip

<http://www.howtosmile.org/record/8328>

Boats by Christian Broutin

Rate It: Working With Zero and Negative Numbers

<http://www.howtosmile.org/record/1480>

Zero by Kathryn Otoshi

Rearing Monarchs

<http://www.howtosmile.org/record/1580>

Monarch Butterfly by Gail Gibbons

Right Eye/Left Eye

<http://www.howtosmile.org/record/6732>

Pirate Pete's Talk Like a Pirate by Kim Kennedy

Roots and Shoots

<http://www.howtosmile.org/record/1813>

Tops and Bottoms by Janet Stevens

Sandy Samples

<http://www.howtosmile.org/record/1114>

Sand by Ellen Prager

Seashell Journal

<http://www.howtosmile.org/record/7622>

A House for Hermit Crab by Eric Carle

Seedy Travelers

<http://www.howtosmile.org/record/9941>

The Tiny Seed by Eric Carle

Seeing Is Believing

<http://www.howtosmile.org/record/5486>

What Color is My World: The Lost History of African-American Inventors
by Kareem Abdul-Jabbar and Raymond Obstfeld

Shark Sense of Smell

<http://www.howtosmile.org/record/790>

The Shark Whisperer by Ellen Prager

Shipwrecked

<http://www.howtosmile.org/record/15667>

Shipwreck by Gordon Korman

Smaller Than You Think

<http://www.howtosmile.org/record/5093>

Prehistoric Actual Size by Steve Jenkins

Spider Glider

<http://www.howtosmile.org/record/726>

Anansi the Spider by Gerald McDermott

Spiders Have Eight Legs

<http://www.howtosmile.org/record/12675>

Lifetime: The Amazing Numbers in Animal Lives
by Lola Schaefer

Take a Plant to Lunch

<http://www.howtosmile.org/record/1213>

Rah, Rah, Radishes by April Pulley Sayre

The Celebrated Jumping Frog

<http://www.howtosmile.org/record/12676>

The Celebrated Jumping Frog of Calaveras County
by Mark Twain

The Desert Blooms!

<http://www.howtosmile.org/record/8392>

Desert Song by Tony Johnston and Ed Young

The Face of Science

<http://www.howtosmile.org/record/8549>

The Snake Scientist by Sy Montgomery and Nic Bishop

The Length of My Foot

<http://www.howtosmile.org/record/13823>

How Big is a Foot by Rolf Myller

Three Little Pigs

<http://www.howtosmile.org/record/1154>

The Three Little Pigs by James Marshall

Trading For Quarters

<http://www.howtosmile.org/record/10284>

Where the Sidewalk Ends by Shel Silverstein

Waterhouse Hawkins and the Nano Dinoshpere Museum

<http://www.howtosmile.org/record/8191>

The Dinosaurs of Waterhouse Hawkins by Barbara Kerley

Web Weavers

<http://www.howtosmile.org/record/1552>

Charlotte's Web by E. B. White

What Can You Invent from a Bag of Junk?

<http://www.howtosmile.org/record/5518>

Lives of the Scientists by Kathleen Krull

Where in the World is the Terra Cotta Army?

<http://www.howtosmile.org/record/8502>

The Emperor's Silent Army by Jane O'Connor

Witch's Potion Demonstration

<http://www.howtosmile.org/record/7270>

Frankenstein Makes a Sandwich by Adam Rex

You Can Say That Again

<http://www.howtosmile.org/record/714>

The Random House Book of Poetry for Children
by Jack Prelutsky and Arnold Lobel