

California Academy of Sciences

Science Activities by Grade Level

Preschool

- Build outdoors with [Nature Play: Create with Nature](#)
- Investigate your favorite insect with [What Would Happen?](#)
- Watch and sing [7,000 Kinds of Amphibians](#)
- Observe and imitate the Academy's [Live Penguin Colony](#)

Kindergarten

- Connect with animal caretakers in [Penguins, Will You Be My Valentine?](#)
- Question your environment with [Notice and Wonder](#)
- Observe how you use different teeth with [Chew, Bite, Chomp](#)

1st Grade

- Meet our birds in [Penguins: Wings, Beaks, and Feathers, Oh My!](#)
- Get an [Introduction to Scientific Sketching](#)
- Sing a song and draw out your own [Jungle Layers](#)

2nd Grade

- Count sections as you build a [Fraction Penguin](#)
- Play [Natural Resources Bingo](#) as a family
- Use [Scientific Sketching for Observation](#) in your notebook

3rd Grade

- Watch and giggle about [The Story of Poo](#)
- Design a [Macroinvertebrate Manor](#) in your own backyard
- Draw with us in [Art & Science: Nature as Your Muse](#)

4th Grade

- Carry out a [Compost Scientific Investigation](#)
- Connect with experts to hear the difference between [Weather & Climate](#)
- Build a [Pocket Solar System](#) to grasp astronomical scale

5th Grade

- Take a [Virtual Dive in a Kelp Forest](#)
- Connect and compare these [Spooktacular Skulls](#)
- Learn how to [Spot That Bird](#); then, do an outdoor [Bird Count](#)

Middle School

- Watch [Flipside Science](#) and design your own solutions
- Connect with astronomy experts in [Tour of the Night Sky](#)
- Produce scale models with [How Big is Big?](#)

High School

- Watch [Academy Science](#) videos to explore STEM careers
- Complete our [Biodiversity Course](#) on Khan Academy
- Meet a marine biologist in [Nudibranchs, Colorful Creatures of the Sea](#)