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 your 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**