Accelerate LEARNING
THE LEADER in STEM EDUCATION

KiDE SCIENCE

# Strengthening California's Early Learning Standards

Kide™ empowers educators with innovative lessons that blend storytelling, imaginative play, and hands-on activities. Engaging and fun, Kide sparks curiosity, fostering a lifelong passion for science, while seamlessly supporting all domains in your state standards.

## ENHANCE YOUR CURRICULUM WITH PLAY

### Science and Math

We support:

- **100%** of the Science strands within the Preschool Transitional Kindergarten Learning Foundations (PTKLF)
- **100%** of the Math strands within the PTKLF

### Language and Literacy

Our engaging stories are designed to strengthen students' Language and Literacy Development skills, including:

- Speaking and listening
- Vocabulary
- Comprehension
- Analyzing text
- Conducting research
- Confidence in communication for multilingual learners

### Holistic Approach

Kide also supports the holistic growth of each student by integrating the following from the PTKLF:

- **100%** of the Social and Emotional Development strands
- **100%** of the Approaches to Learning strands
- **100%** of the Physical Development strands
- **92%** of the Visual and Performing Arts

## WHY KIDE?

Our screen-free, hands-on lessons focus on building science processing skills, instead of memorization. Our play-based approach makes learning interactive and engaging, with captivating stories and problem-solving challenges.

- Available in English and Spanish
- No kits required
- Professional Development included
- Grounded in extensive research from the University of Helsinki, Finland
- Developmentally appropriate for early childhood ages

EDUCATORS PICK · BEST OF STEM · WINNER 2024

2023 SUPES' CHOICE · WINNER ·

BEST LEARNING SOLUTION FROM FINLAND

**95%**
of teachers agree that

**KIDE LESSONS BENEFIT ALL CHILDREN REGARDLESS OF THEIR SKILLS AND ABILITIES.**

# KIDE SCIENCE LESSON RECOMMENDATIONS

## Science

According to the PTKLF, "Science and engineering learning in early childhood involves inquiry-based, playful approaches. Children thrive in learning environments that are rich with resources where they can actively explore objects and materials through their senses and hands-on manipulation."

This is the very essence of Kide Science: we bring playful inquiry and active hands-on learning into every lesson. Children imagine and pretend that they are scientists, solving a range of exciting problems, all while developing inquiry skills together with their peers.

This is why we proudly supplement 100% of the strands. Find our lesson recommendations below.

| Strand: 1.0 - Science and Engineering Practices | | |
|---|---|---|
| **Sub-strands** | | **Kide Activity Suggestions** |
| ✓ | Observation and Investigation | All lessons<br><br>See especially our<br>Observation activity bundle, Predictions activity bundle, and Interpretation activity bundle. |
| ✓ | Documentation, Analysis, and Communication | All lessons<br><br>See for example<br>Kindergarten of Shape Creatures<br>Getting Dressed for Autumn |

| Strand: 2.0 - Physical Science | | |
|---|---|---|
| **Sub-strands** | | **Kide Activity Suggestions** |
| ✓ | Properties and Characteristics of Non-living Objects and Materials | All lessons<br><br>See especially our<br>Observation activity bundle,<br>and classification activity bundle. |
| ✓ | Changes in Nonliving Objects and Materials | Many lessons, including:<br>Foaming Colors<br>Hot and Cold Bottles<br>Hoseli's Instant Sorbet<br>The Curious Colorful Rivers<br>Mrs Noblegas's Blob Soup |

| Strand: 3.0 - Life Science | | |
|---|---|---|
| **Sub-strands** | | **Kide Activity Suggestions** |
| ✓ | Properties and Characteristics of Living Things | See our Plants and Animals activity bundle, and Ourselves bundle |
| ✓ | Changes in Living Things | What makes a Living Thing<br>Egg-straordinary Nest Building<br>From Seed to Plant<br>Caring for a Pet Dog |

| Strand: 4.0 - Earth and Space Science | | |
|---|---|---|
| **Sub-strands** | | **Kide Activity Suggestions** |
| ✓ | Properties and Characteristics of Earth Materials and Objects | For example:<br>Summer Sandcastles<br>Floating Problems<br>Pressure in the Puddle<br>Colorful Drawing Book<br>Who Stole the Salt<br>Power of the Air<br>Foam Eruption<br>Force of the Wind<br>A Non-Existent Substance? |
| ✓ | Changes in Earth and Space | See our:<br>Weather bundle |

| Strand: 5.0 - Engineering, Technology, and Applications of Science | | |
|---|---|---|
| **Sub-strands** | | **Kide Activity Suggestions** |
| ✓ | Engineering, Technology, and Applications of Science | Many lessons, see for example:<br>The Great Inventors of the Secret Forest<br>Lift It Up!<br>What a machine! |
| ✓ | Engineering Design and Society | Many lessons including:<br>A Frantic Fall<br>Power of the Air<br>Carousel<br>Assistant to the Assistant Robot |

# KIDE SCIENCE LESSON RECOMMENDATIONS

## Mathematics

We correlate with 100% of California's PTKLF Mathematics strands.

The main focus of a Kide activity is to develop inquiry skills (which include measurement, data, and classification). These skills set the foundations for number sense, quantity, and basic numerical relationships. The problems we pose to children also support their geometry and spatial thinking. We provide children with many opportunities to make sense of the world and solve mathematical situations they encounter in their everyday lives.

Find lesson recommendations for each sub-strand below.

| Strand: 1.0 - Counting and Cardinality | | |
|---|---|---|
| **Sub-strands** | | **Kide Activity Suggestions** |
| ✓ | Counting Principles | Many lessons,<br>especially in these bundles:<br>Counting activities<br>and<br>Math activities |
| ✓ | Recognizing Quantities | A Secret Friend<br>Lava Pond<br>An Exact Science<br><br>Use these to support:<br>Number Flashcards |
| ✓ | Numeral Recognition | Sugary Problems<br>Lava Pond<br>Number Code Crackers<br><br>Use these to support:<br>Number Flashcards |
| ✓ | Number Relationships | See our classification activities,<br>especially<br><br>Floating Problems<br>Crab Walk<br>Kindergarten of Shape Creatures<br>Hiding in Plain Sight |

| Strand: 2.0 - Operations and Algebraic Thinking | | |
|---|---|---|
| **Sub-strands** | | **Kide Activity Suggestions** |
| ✓ | Number Operations | A Secret Friend<br>Sugary Problems<br>It's Raining! (Activity B)<br>Cave Conundrum (Activity A)<br>Who Stole the Salt? |
| ✓ | Classifying and Patterning | Many lessons,<br>especially in our<br>Classification activity bundle |

| Strand: 3.0 - Measuring and Data | | |
|---|---|---|
| **Sub-strands** | | **Kide Activity Suggestions** |
| ✓ | Comparing and Ordering Objects | Many lessons,<br>especially in our<br>measurement activity bundle |
| ✓ | Data | Power of the Air<br>Friction on the Slopes |

| Strand: 4.0 - Geometry and Spatial Thinking | | |
|---|---|---|
| **Sub-strands** | | **Kide Activity Suggestions** |
| ✓ | Shapes | Kindergarten of Shape Creatures<br>Bubbles!<br>Spooky Shadows<br>Peculiar Creatures of the Secret Forest<br>The Great Inventors of the Secret Forest<br>Planning an Escape<br>Egg-straordinary Nest Building<br>Beehive |
| ✓ | Spatial Thinking | A Celebration Meal<br>Welcome to Supraland<br>A Floaty Drink<br>Where are you, Hoseli?<br>A Space Adventure |