## Next Generation Science Standards (NGSS) Kindergarten

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<td><strong>Weather and Climate</strong></td>
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<td><strong>Interdependent Relationships in Ecosystems: Animals, Plants, and their Environment</strong></td>
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### Kindergarten Thematic Model
- **Course Summary and Flowchart**
- **Bundle 1: Needs of Plants and Animals**
- **Bundle 2: Local Weather**
- **Bundle 3: Pushes and Pulls**

### Kindergarten Topics Model
- **Course Summary and Flowchart**
- **Bundle 1: Pushes and Pulls**
- **Bundle 2: Living Things**
- **Bundle 3: Patterns and the Effects of Sunlight**

### Resources to Support Science Instruction
- **Reading Purposefully in Science**
  - Science Storybooks-science through reading
  - Scamper-a creative thinking strategy K-2 ETS1-1
- **Science Writing Across the Curriculum**
  - Standard unpacking template Sunburst standard deconstructing graphic organizer

[www.nextgenscience.org](http://www.nextgenscience.org)
Characteristics of Highly Effective Science Teaching and Learning

Science Practices Ideas

Ideas for Simple Experiments

Claims and Evidence: Creating opportunities for students to practice speaking and writing about science

Models

85 Ways to Engage All Students

Discourse Primer for Science Teachers
Talk Science Primer
Talk Moves Checklist

Hamsters, Picture Books, and Engineering Design

BrainPopJr- Making Observations

Teacher Background Booster: Systems

The Difference between Observations and Inferences: Demystifying the Nature of Science

Gather ’Round from Science and Children Exploring the Wonders of Science Through Read-Alouds

Reading Strategies for Content Teachers

http://siemensscienceaday.discoveryeducation.com/ great resource for life, physical, and earth science