



www.becon.tv

Science Alive!

ABOUT THE SERIES: The Core Curriculum Department in partnership with BECON will air *Science Alive!*. This series is designed to present science benchmarks to students to help them become science literate and prepare them for the FCAT Science 2.0.

Each program in the series targets assessed science benchmarks within the Next Generation Sunshine State Science Standards, BIG IDEAS and benchmarks. Presenters provide content information, hands-on demonstrations, and a challenge question that students can answer to win prizes.

TIME: 8:30 a.m. – 9:00 a.m. on Fridays
1:00 p.m. – 1:30 p.m. on Wednesdays

GRADE LEVEL: 3-5

BECON CHANNEL: 17

| TAPE ID | DATE | TOPIC | TIME |
|---------|-------------------|--|------------------------|
| SCI-16 | August 31, 2011 | <p>The Nature of Science; Part 1 Does the shape of the wand affect the shape of the bubble? BIG IDEA 1: The Practice of Science BIG IDEA 2: The Characteristics of Scientific Knowledge BIG IDEA 8: Properties of Matter</p> | 1:00 p.m. to 1:30 p.m. |
| SCI-16 | September 2, 2011 | <p>Rebroadcast of: The Nature of Science; Part 1 Does the shape of the wand affect the shape of the bubble? BIG IDEA 1: The Practice of Science BIG IDEA 2: The Characteristics of Scientific Knowledge BIG IDEA 8: Properties of Matter</p> | 8:30 a.m. to 9:00 a.m. |
| SCI-17 | September 7, 2011 | <p>The Nature of Science; Part 2 Does the shape of the wand affect the shape of the bubble? BIG IDEA 1: The Practice of Science BIG IDEA 2: The Characteristics of Scientific Knowledge BIG IDEA 8: Properties of Matter</p> | 1:00 p.m. to 1:30 p.m. |
| SCI-17 | September 9, 2011 | <p>Rebroadcast of: The Nature of Science; Part 2 Does the shape of the wand affect the shape of the bubble? BIG IDEA 1: The Practice of Science BIG IDEA 2: The Characteristics of Scientific Knowledge BIG IDEA 8: Properties of Matter</p> | 8:30 a.m. to 9:00 a.m. |

| | | | |
|---------------|---------------------------|--|-------------------------------|
| SCI-18 | September 14, 2011 | <p align="center">The Nature of Science; Part 3 Does the shape of the wand affect the shape of the bubble?</p> <p align="center">BIG IDEA 1: The Practice of Science BIG IDEA 2: The Characteristics of Scientific Knowledge BIG IDEA 8: Properties of Matter</p> | 1:00 p.m. to 1:30 p.m. |
| SCI-18 | September 16, 2011 | <p align="center">Rebroadcast of: The Nature of Science; Part 3 Does the shape of the wand affect the shape of the bubble?</p> <p align="center">BIG IDEA 1: The Practice of Science BIG IDEA 2: The Characteristics of Scientific Knowledge BIG IDEA 8: Properties of Matter</p> | 8:30 a.m. to 9:00 a.m. |
| SCI-31 | September 21, 2011 | <p align="center">The Nature of Science, II Which liquid is most dense?</p> <p align="center">BIG IDEA 1: The Practice of Science BIG IDEA 2: The Characteristics of Scientific Knowledge BIG IDEA 8: Properties of Matter</p> | 1:00 p.m. to 1:30 p.m. |
| SCI-31 | September 23, 2011 | <p align="center">Rebroadcast of: The Nature of Science, II Which liquid is most dense?</p> <p align="center">BIG IDEA 1: The Practice of Science BIG IDEA 2: The Characteristics of Scientific Knowledge BIG IDEA 8: Properties of Matter</p> | 8:30 a.m. to 9:00 a.m. |
| SCI-21 | September 28, 2011 | <p align="center">The Nature of Matter</p> <p align="center">BIG IDEA 8: Properties of Matter BIG IDEA 9: Changes in Matter</p> | 1:00 p.m. to 1:30 p.m. |
| SCI-21 | September 30, 2011 | <p align="center">Rebroadcast of: The Nature of Matter</p> <p align="center">BIG IDEA 8: Properties of Matter BIG IDEA 9: Changes in Matter</p> | 8:30 a.m. to 9:00 a.m. |
| SIF-1 | October 5, 2011 | <p align="center">The Nature of Matter; Soaring into FCAT Science</p> <p align="center">BIG IDEA 8: Properties of Matter BIG IDEA 9: Changes in Matter</p> | 1:00 p.m. to 1:30 p.m. |

| | | | |
|---------------|-------------------------|--|-------------------------------|
| SIF-1 | October 7, 2011 | Rebroadcast of: The Nature of Matter; Soaring into FCAT Science BIG IDEA 8: Properties of Matter BIG IDEA 9: Changes in Matter | 8:30 a.m. to 9:00 a.m. |
| SCI-21 | October 12, 2011 | The Nature of Matter BIG IDEA 8: Properties of Matter BIG IDEA 9: Changes in Matter | 1:00 p.m. to 1:30 p.m. |
| SCI-21 | October 14, 2011 | Rebroadcast of: The Nature of Matter BIG IDEA 8: Properties of Matter BIG IDEA 9: Changes in Matter | 8:30 a.m. to 9:00 a.m. |
| SCI-22 | October 19, 2011 | Energy BIG IDEA 10 Forms of Energy BIG IDEA 11: Energy Transfer and Transformations BIG IDEA 17: Interdependence | 1:00 p.m. to 1:30 p.m. |
| SCI-22 | October 21, 2011 | Rebroadcast of: Energy BIG IDEA 10 Forms of Energy BIG IDEA 11: Energy Transfer and Transformations BIG IDEA 17: Interdependence | 8:30 a.m. to 9:00 a.m. |
| SCI-21 | October 26, 2011 | The Nature of Matter BIG IDEA 8: Properties of Matter BIG IDEA 9: Changes in Matter | 1:00 p.m. to 1:30 p.m. |
| SCI-28 | November 2, 2011 | Energy, II BIG IDEA 10 Forms of Energy BIG IDEA 11: Energy Transfer and Transformations BIG IDEA 17: Interdependence | 1:00 p.m. to 1:30 p.m. |

| | | | |
|---------------|--------------------------|---|-------------------------------|
| SCI-28 | November 4, 2011 | <p>Rebroadcast of: Energy, II BIG IDEA 10 Forms of Energy BIG IDEA 11: Energy Transfer and Transformations BIG IDEA 17: Interdependence</p> | 8:30 a.m. to 9:00 a.m. |
| SCI-28 | November 9, 2011 | <p>Rebroadcast of: Energy, II BIG IDEA 10 Forms of Energy BIG IDEA 11: Energy Transfer and Transformations BIG IDEA 17: Interdependence</p> | 1:00 p.m. to 1:30 p.m. |
| SCI-22 | November 16, 2011 | <p>Energy BIG IDEA 10 Forms of Energy BIG IDEA 11: Energy Transfer and Transformations BIG IDEA 17: Interdependence</p> | 1:00 p.m. to 1:30 p.m. |
| SCI-22 | November 18, 2011 | <p>Rebroadcast of: Energy BIG IDEA 10: Forms of Energy BIG IDEA 11: Energy Transfer and Transformations BIG IDEA 17: Interdependence</p> | 8:30 a.m. to 9:00 a.m. |
| SCI-23 | November 30, 2011 | <p>Force and Motion Big Idea 12: Motion of Objects Big Idea 13: Forces and Changes in Motion</p> | 1:00 p.m. to 1:30 p.m. |
| SCI-23 | December 2, 2011 | <p>Rebroadcast of: Force and Motion BIG IDEA 12: Motion of Objects BIG IDEA 13: Forces and Changes in Motion</p> | 8:30 a.m. to 9:00 a.m. |
| SCI-29 | December 7, 2011 | <p>Force and Motion, II BIG IDEA 12: Motion of Objects BIG IDEA 13: Forces and Changes in Motion</p> | 1:00 p.m. to 1:30 p.m. |

| | | | |
|---------------|--------------------------|---|-----------------------------------|
| SCI-29 | December 9, 2011 | Rebroadcast of: Force and Motion, II BIG IDEA 12: Motion of Objects BIG IDEA 13: Forces and Changes in Motion | 8:30 a.m. to 9:00 a.m. |
| SCI-23 | December 14, 2011 | Rebroadcast of: Force and Motion BIG IDEA 12: Motion of Objects BIG IDEA 13: Forces and Changes in Motion | 1:00 p.m. to 1:30 p.m. |
| SCI-29 | December 16, 2011 | Force and Motion, II BIG IDEA 12: Motion of Objects BIG IDEA 13: Forces and Changes in Motion | 8:30 a.m. to 9:00 a.m. |
| SCI-24 | January 4, 2012 | Processes that Shape the Earth BIG IDEA 6: Earth Structures | 1:00 p.m. to 1:30 p.m. |
| SCI-24 | January 6, 2012 | Rebroadcast of: Processes that Shape the Earth BIG IDEA 6: Earth Structures | 8:30 a.m. to 9:00 a.m. |
| SCI-25 | January 11, 2012 | Processes that Shape the Earth, II BIG IDEA 6: Earth Structures BIG IDEA 7: Earth Systems and Patterns | 1:00 p.m. to 1:30 p.m. |
| SCI-25 | January 13, 2012 | Rebroadcast of: Processes that Shape the Earth, II BIG IDEA 6: Earth Structures BIG IDEA 7: Earth Systems and Patterns | 8:30 a.m. to 9:00 a.m. |

| | | | |
|---------------|--------------------------|---|-----------------------------------|
| SCI-25 | January 18, 2012 | Rebroadcast of: Processes that Shape the Earth, II BIG IDEA 6: Earth Structures BIG IDEA 7: Earth Systems and Patterns | 1:00 p.m. to 1:30 p.m. |
| SCI-26 | January 25, 2012 | Earth and Space BIG IDEA 5: Earth in Space and Time BIG IDEA 7: Systems and Patterns | 1:00 p.m. to 1:30 p.m. |
| SCI-26 | January 27, 2012 | Rebroadcast of: Earth and Space BIG IDEA 5: Earth in Space and Time BIG IDEA 7: Systems and Patterns | 8:30 a.m. to 9:00 a.m. |
| SCI-27 | February 1, 2012 | Earth and Space, II BIG IDEA 5: Earth in Space and Time | 1:00 p.m. to 1:30 p.m. |
| SCI-27 | February 3, 2012 | Rebroadcast of: Earth and Space, II BIG IDEA 5: Earth in Space and Time | 8:30 a.m. to 9:00 a.m. |
| SCI-20 | February 8, 2012 | Processes of Life BIG IDEA 14: Organization and Development of Living Organisms BIG IDEA 15: Diversity and Evolution of Living Organisms BIG IDEA 17: Interdependence | 1:00 p.m. to 1:30 p.m. |
| SCI-20 | February 10, 2012 | Rebroadcast of: Processes of Life BIG IDEA 14: Organization and Development of Living Organisms BIG IDEA 15: Diversity and Evolution of Living Organisms BIG IDEA 17: Interdependence | 8:30 a.m. to 9:00 a.m. |

| | | | |
|---------------|--------------------------|--|-------------------------------|
| SCI-30 | February 15, 2012 | <p align="center">Processes of Life, II</p> <p>BIG IDEA 3: The Role of Theories, Laws, Hypothesis, and Models BIG IDEA 14: Organization and Development of Living Organisms</p> | 1:00 p.m. to 1:30 p.m. |
| SCI-30 | February 17, 2012 | <p align="center">Rebroadcast of: Processes of Life, II</p> <p>BIG IDEA 3: The Role of Theories, Laws, Hypothesis, and Models BIG IDEA 14: Organization and Development of Living Organisms</p> | 8:30 a.m. to 9:00 a.m. |
| SCI-19 | February 22, 2012 | <p align="center">How Living Things Interact with Their Environment</p> <p>BIG IDEA 15: Diversity and Evolution of Living Organisms BIG IDEA 17: Interdependence</p> | 1:00 p.m. to 1:30 p.m. |
| SCI-19 | February 24, 2012 | <p align="center">Rebroadcast of: How Living Things Interact with Their Environment</p> <p>BIG IDEA 15: Diversity and Evolution of Living Organisms BIG IDEA 17: Interdependence</p> | 8:30 a.m. to 9:00 a.m. |
| SCI-22 | February 29, 2012 | <p align="center">Energy</p> <p>BIG IDEA 10: Forms of Energy BIG IDEA 11: Energy Transfer and Transformations BIG IDEA 17: Interdependence</p> | 1:00 p.m. to 1:30 p.m. |
| SCI-28 | March 2, 2012 | <p align="center">Energy, II</p> <p>BIG IDEA 10: Forms of Energy BIG IDEA 11: Energy Transfer and Transformations BIG IDEA 17: Interdependence</p> | 8:30 a.m. to 9:00 a.m. |
| SCI-23 | March 7, 2012 | <p align="center">Force and Motion</p> <p>BIG IDEA 6: Earth Structures BIG IDEA 7: Earth Systems and Patterns</p> | 1:00 p.m. to 1:30 p.m. |

| | | | |
|---------------|-----------------------|--|-------------------------------|
| SCI-16 | April 18, 2012 | <p>The Nature of Science; Part 1 Does the shape of the wand affect the shape of the bubble?</p> <p>BIG IDEA 1: The Practice of Science BIG IDEA 2: The Characteristics of Scientific Knowledge BIG IDEA 8: Properties of Matter</p> | 1:00 p.m. to 1:30 p.m. |
| SCI-17 | April 20, 2012 | <p>The Nature of Science; Part 2 Does the shape of the wand affect the shape of the bubble?</p> <p>BIG IDEA 1: The Practice of Science BIG IDEA 2: The Characteristics of Scientific Knowledge BIG IDEA 8: Properties of Matter</p> | 8:30 a.m. to 9:00 a.m. |
| SCI-18 | April 25, 2012 | <p>The Nature of Science; Part 3 Does the shape of the wand affect the shape of the bubble?</p> <p>BIG IDEA 1: The Practice of Science BIG IDEA 2: The Characteristics of Scientific Knowledge BIG IDEA 8: Properties of Matter</p> | 1:00 p.m. to 1:30 p.m. |
| SCI-19 | April 27, 2012 | <p>How Living Things Interact with Their Environment</p> <p>BIG IDEA 15: Diversity and Evolution of Living Organisms BIG IDEA 16: Heredity and Reproduction BIG IDEA 17: Interdependence</p> | 8:30 a.m. to 9:00 a.m. |
| SCI-20 | May 2, 2012 | <p>Processes of Life</p> <p>BIG IDEA 14: Organization and Development of Living Organisms BIG IDEA 15: Diversity and Evolution of Living Organisms BIG IDEA 17: Interdependence</p> | 1:00 p.m. to 1:30 p.m. |
| SCI-20 | May 4, 2012 | <p>Rebroadcast of: Processes of Life</p> <p>BIG IDEA 14: Organization and Development of Living Organisms BIG IDEA 15: Diversity and Evolution of Living Organisms BIG IDEA 17: Interdependence</p> | 8:30 a.m. to 9:00 a.m. |
| SCI-30 | May 9, 2012 | <p>Processes of Life, II</p> <p>BIG IDEA 3: The Role of Theories, Laws, Hypothesis, and Models BIG IDEA 14: Organization and Development of Living Organisms</p> | 1:00 p.m. to 1:30 p.m. |

| | | | |
|---------------|---------------------|--|-------------------------------|
| SCI-30 | May 11, 2012 | <p>Rebroadcast of: Processes of Life, II BIG IDEA 3: The Role of Theories, Laws, Hypothesis, and Models BIG IDEA 14: Organization and Development of Living Organisms</p> | 8:30 a.m. to 9:00 a.m. |
| SCI-16 | May 16, 2012 | <p>The Nature of Science; Part 1 Does the shape of the wand affect the shape of the bubble? BIG IDEA 1: The Practice of Science BIG IDEA 2: The Characteristics of Scientific Knowledge BIG IDEA 8: Properties of Matter</p> | 1:00 p.m. to 1:30 p.m. |
| SCI-17 | May 18, 2012 | <p>The Nature of Science; Part 2 Does the shape of the wand affect the shape of the bubble? BIG IDEA 1: The Practice of Science BIG IDEA 2: The Characteristics of Scientific Knowledge BIG IDEA 8: Properties of Matter</p> | 8:30 a.m. to 9:00 a.m. |
| SCI-18 | May 23, 2012 | <p>The Nature of Science; Part 3 Does the shape of the wand affect the shape of the bubble? BIG IDEA 1: The Practice of Science BIG IDEA 2: The Characteristics of Scientific Knowledge BIG IDEA 8: Properties of Matter</p> | 1:00 p.m. to 1:30 p.m. |
| SCI-31 | May 30, 2012 | <p>The Nature of Science, II Which liquid is most dense? BIG IDEA 1: The Practice of Science BIG IDEA 2: The Characteristics of Scientific Knowledge BIG IDEA 8: Properties of Matter</p> | 1:00 p.m. to 1:30 p.m. |
| SCI-31 | June 1, 2012 | <p>Rebroadcast of: The Nature of Science, II Which liquid is most dense? BIG IDEA 1: The Practice of Science BIG IDEA 2: The Characteristics of Scientific Knowledge BIG IDEA 8: Properties of Matter</p> | 8:30 a.m. to 9:00 a.m. |
| SCI-19 | June 6, 2012 | <p>How Living Things Interact with Their Environment BIG IDEA 15: Diversity and Evolution of Living Organisms BIG IDEA 16: Heredity and Reproduction BIG IDEA 17: Interdependence</p> | 1:00 p.m. to 1:30 p.m. |