

## 2021- 2022 BOCES 4 Science Curriculum Embedded Professional Learning



Teaching science is changing. The New York State Science Learning Standards (NYSSLS) provide guidance for new curriculum and the shifts in instruction that are integral to it. When teachers attend training sessions on each unit, they dive into the appropriate NYSSLS topic. The lessons in the unit were written to be three-dimensional. The margin notes in the Teacher's Guides focus attention on those 3-D elements. In addition, the training sessions emphasize how instruction has shifted with the new Standards. When teachers attend a training session, they learn that the B4S educators are always ready to provide support as the teachers & students embark on this new adventure.

- A. Unit Training Videos by lesson:** Access online videos from inside the password-protected Unit Resources pages on the B4S website. <http://www.boces4science.org>
- B. Summer Online Training Sessions (3 CTLE hours):** Throughout July and August, training is offered either in the morning or afternoon as indicated below.
- C. Fall Online Training Courses (6 CTLE hours): Afterschool** These courses include three one-hour asynchronous sessions AND three one-hour synchronous sessions for each BOCES 4 Science unit. Participants will dive into the NYSSLS grade level topic, engage with 3-D science learning, and discuss instructional strategies to use with their students. Participants **attend all three dates** of synchronous instruction. **All fall afterschool sessions are from 3:30 p.m. – 4:30 p.m.** Register via the Monroe 2 Orleans BOCES My Learning Plan using the training date below.
- D. Fall Online Training Sessions (3 CTLE hours): School-Day** Training is offered on the newest BOCES 4 Science units during the school day in the fall.
- E. Email Us:** The B4S educators are happy to correspond with teachers every day and enjoy helping with science challenges. Find the Unit Contact email in the table below.
- F. Office Hours:** The B4S educators are available every Tuesday morning at 9 a.m. for virtual office hours. Use the link and pass code from the B4S website to get in touch with us face to face during the school day.

BOCES 4 Science Embedded Professional Learning Sessions as well as all supporting materials on the B4S website are free with the use of the corresponding unit.

Grade Level	Unit Name Unit Contact Email	PD Course Dates
Kindergarten	<b>Weather for Kindergarten</b> Sharon Bassage <a href="mailto:Sharon.Bassage@wflboces.org">Sharon.Bassage@wflboces.org</a>	<u>Summer – 3 CTLE credits: Aug. 3 12:30 – 3:30 PM</u>  <u>Fall – 6 CTLE credits: Sept. 15, Sept. 22 AND Sept. 29 3:30 – 4:30 PM</u>
	<b>Pushes &amp; Pulls</b> Kristy Pincelli <a href="mailto:kpincell@monroe2boces.org">kpincell@monroe2boces.org</a>	<u>Summer – 3 CTLE credits: Aug. 3 8:30 – 11:30 AM</u>  <u>Fall – 6 CTLE credits: Sept. 21, Sept. 28, AND Oct. 5 3:30 – 4:30 PM</u>
	<b>Worm Scouts</b> Kristy Pincelli <a href="mailto:kpincell@monroe2boces.org">kpincell@monroe2boces.org</a>	<u>Summer – 3 CTLE credits: July 28 8:30 – 11:30 AM</u>  <u>Fall – 3 CTLE credits: Oct. 14 12:30 – 3:30 PM</u>  <u>Fall – 6 CTLE credits: Nov. 15, Nov. 22, AND Nov. 29 3:30 – 4:30 PM</u>
Grade 1	<b>A Bunny's Life</b> Mary Thomas <a href="mailto:mthomas@monroe2boces.org">mthomas@monroe2boces.org</a>	<u>Summer – 3 CTLE credits: Aug. 26 8:30 – 11:30 AM</u>  <u>Fall – 6 CTLE credits: Sept. 27, Oct. 4, AND Oct. 25 3:30 – 4:30 PM</u>
	<b>Sky Patterns</b> Mary Thomas <a href="mailto:mthomas@monroe2boces.org">mthomas@monroe2boces.org</a>	<u>Summer – 3 CTLE credits: Aug. 19 8:30 – 11:30 AM</u>  <u>Fall – 6 CTLE credits: Dec. 2, Dec. 9, AND Dec. 16 3:30 – 4:30 PM</u>
	<b>Sending Messages with Light &amp; Sound</b> Kathryn Jensen <a href="mailto:kjensen@monroe2boces.org">kjensen@monroe2boces.org</a>	<u>Summer – 3 CTLE credits: July 22 8:30 – 11:30 AM</u>  <u>Fall – 6 CTLE credits: Nov. 2, Nov. 9, AND Nov. 16 3:30 – 4:30 PM</u>
Grade 2	<b>Save the Bees</b> Antonietta Quinn <a href="mailto:aquinn@monroe2boces.org">aquinn@monroe2boces.org</a>	<u>Summer – 3 CTLE credits: Aug. 26 8:30 – 11:30 AM</u>  <u>Fall – 6 CTLE credits: Sept. 23, Sept. 30 AND Oct. 7 3:30 – 4:30 PM</u>
	<b>Earth's Features</b> Sharon Bassage <a href="mailto:sharon.bassage@wflboces.org">sharon.bassage@wflboces.org</a>	<u>Summer – 3 CTLE credits: July 15 8:30 – 11:30 AM</u>  <u>Fall – 6 CTLE credits: Oct. 27, Nov. 3, AND Nov. 10 3:30 – 4:30 PM</u>
	<b>Made of Matter</b> Sharon Bassage <a href="mailto:sharon.bassage@wflboces.org">sharon.bassage@wflboces.org</a>	<u>Summer – 3 CTLE credits: Aug. 3 8:30 – 11:30 AM</u>  <u>Fall – 3 CTLE credits: Sept. 16 12:30 – 3:30 PM</u>  <u>Fall – 6 CTLE credits: Sept. 14, Sept. 21, AND Sept. 28 3:30 – 4:30 PM</u>

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Grade 3	<b>Generations of Butterflies</b> Antonietta Quinn <a href="mailto:aquinn@monroe2boces.org">aquinn@monroe2boces.org</a>	<u>Summer – 3 CTLE credits: Aug. 12 8:30 – 11:30 AM</u>  <u>Fall – 6 CTLE credits: Sept. 22, Sept. 29, AND Oct. 6 3:30 – 4:30 PM</u>
	<b>Investigating Weather &amp; Climate</b> Mary Thomas <a href="mailto:mthomas@monroe2boces.org">mthomas@monroe2boces.org</a>	<u>Summer – 3 CTLE credits: Aug. 24 8:30 – 11:30 AM</u>  <u>Fall – 6 CTLE credits: Sept. 16, Sept. 30 AND Oct. 7 3:30 – 4:30 PM</u>
	<b>Where are the Wolves?</b> Antonietta Quinn <a href="mailto:aquinn@monroe2boces.org">aquinn@monroe2boces.org</a>	<u>Summer – 3 CTLE credits: Aug. 27 8:30 – 11:30 AM</u>  <u>Fall – 6 CTLE credits: Oct. 19, Oct. 26, AND Nov. 2 3:30 – 4:30 PM</u>
	<b>Invisible Forces</b> Antonietta Quinn <a href="mailto:aquinn@monroe2boces.org">aquinn@monroe2boces.org</a>	<u>Summer – 3 CTLE credits: Aug. 10 12:30 – 3:30 PM</u>  <u>Fall – 3 CTLE credits: Nov. 4, 12:30 – 3:30 PM</u>  <u>Fall – 6 CTLE credits: Nov. 15, Nov. 22, AND Nov. 29 3:30 – 4:30 PM</u>
Grade 4	<b>Powering thru the Fair</b> Kristy Pincelli <a href="mailto:kpincell@monroe2boces.org">kpincell@monroe2boces.org</a>	<u>Summer – 3 CTLE credits: Aug. 11 8:30 – 11:30 AM</u>  <u>Fall – 6 CTLE credits: Oct. 13, Oct. 20, AND Oct. 27 3:30 – 4:30 PM</u>
	<b>Earth Processes in New York State</b> Mary Thomas <a href="mailto:mthomas@monroe2boces.org">mthomas@monroe2boces.org</a>	<u>Summer – 3 CTLE credits: July 20 8:30 – 11:30 AM</u>  <u>Fall – 6 CTLE credits: Sept. 14, Sept. 28, AND Oct. 5 3:30 – 4:30 PM</u>
	<b>Riding the Waves of Information</b> Sharon Bassage <a href="mailto:sharon.bassage@wflboces.org">sharon.bassage@wflboces.org</a>	<u>Summer – 3 CTLE credits: July 15 12:30 – 3:30 PM</u>  <u>Fall – 6 CTLE credits: Sept. 13, Sept. 20, AND Sept. 27 3:30 – 4:30 PM</u>
	<b>A Walk in the Park</b> Kathryn Jensen <a href="mailto:kjensen@monroe2boces.org">kjensen@monroe2boces.org</a>	<u>Summer – 3 CTLE credits: Aug. 18 8:30 – 11:30 AM</u>  <u>Fall – 3 CTLE credits: Oct. 6 12:30 – 3:30 PM</u>  <u>Fall – 6 CTLE credits: Oct. 28, Nov. 4, AND Nov. 18 3:30 – 4:30 PM</u>
Grade 5	<b>Deer, Deer Everywhere</b> Kristy Pincelli <a href="mailto:kpincell@monroe2boces.org">kpincell@monroe2boces.org</a>	<u>Summer – 3 CTLE credits: Aug. 24 8:30 – 11:30 AM</u>  <u>Fall – 6 CTLE credits: Sept. 23, Sept. 30, AND Oct. 7 3:30 – 4:30 PM</u>

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Grade 5	<b>Toys Matter</b> Kristy Pincelli <a href="mailto:kjensen@monroe2boces.org">kjensen@monroe2boces.org</a>	<u>Summer – 3 CTLE credits: July 21 8:30 – 11:30 AM</u>  <u>Fall – 6 CTLE credits: Oct. 12, Oct. 19, AND Oct. 26 3:30 – 4:30 PM</u>
	<b>Got Water?</b> Kristy Pincelli <a href="mailto:kpincell@monroe2boces.org">kpincell@monroe2boces.org</a>	<u>Summer – 3 CTLE credits: Aug. 17 8:30 – 11:30 AM</u>  <u>Fall – 6 CTLE credits: Nov. 3, Nov. 10, AND Nov. 17 3:30 – 4:30 PM</u>
	<b>Earth &amp; Space Explorers</b> Mary Thomas <a href="mailto:mthomas@monroe2boces.org">mthomas@monroe2boces.org</a>	<u>Summer – 4 CTLE credits: July 22 8:00 AM – noon</u>  <u>Fall – 4 CTLE credits: Nov. 19 8 AM - noon</u>  <u>Fall – 6 CTLE credits: Nov. 22, Nov. 29 AND Dec. 6 3:30 – 4:30 PM</u>
Middle School	<b>Waves &amp; Electromagnetic Radiation</b> Kathryn Jensen <a href="mailto:kjensen@monroe2boces.org">kjensen@monroe2boces.org</a>	<u>Fall – 6 CTLE credits: Sept. 30, Oct. 7, AND Oct. 14 3:30 – 4:30 PM</u>