



PROFESSIONAL LEARNING RESOURCES
For Transitioning to the Michigan Science Standards
Offered by the Battle Creek Area Mathematics and
Science Center
For the 2018-19 School Year



Professional Learning Opportunities for K-12 Science Teachers	
<p>NGSX (Next Generation Science Exemplar System) for K-12</p> <ul style="list-style-type: none"> ➤ The focus of NGSX is integrating three-dimensional learning into science classrooms, in which teachers support students in using science and engineering practices to develop, apply, and refine disciplinary core ideas and crosscutting ideas. Teachers engage in these practices and investigate classroom cases to explore how to bring these approaches into their own classrooms. ➤ Prerequisite: None ➤ Cost: \$200; Free to K-8 teachers in Member Districts* committing to participate in the K-8 Science Leadership Network. 	<p>Dates (4 day series):</p> <p>Cohort 1: Aug.8, Aug. 9, Sept. 28, Oct. 15. or Cohort 2: Oct. 22, Nov. 7, Nov. 30, Dec. 6. or Cohort 3: Nov. 14, Dec. 13, Jan 31, Feb 22.</p>
Professional Learning Opportunities for Elementary and Middle School Teachers	
<p>K-8 Science Leadership Network: K→3→6 Physical Science Learning Progression</p> <ul style="list-style-type: none"> ➤ Core Ideas and their related learning progressions are key organizing principals of the NGSS and the framework. This professional learning will promote ongoing refinement of K, 3rd, and 6th grade implementation of the learning progression for PS2 Motion and Stability: Forces and Interactions as presented in the Cereal City Science Curriculum. Schools and teachers will collaborate within and across districts to share and gain expertise in implementing the NGSS. ➤ Prerequisite: NGSX, Member of Schools K-8 Science Leadership Network. ➤ Cost: Free for Member Districts*, \$25 for Nonmember Districts. 	<p>Dates (1 day):</p> <p>April 17.</p> <p>(This K-8 leadership network will meet annually.)</p>
<p>K-8 Science Leadership Network: 2→5→7 Physical Science Learning Progression</p> <ul style="list-style-type: none"> ➤ Core Ideas and their related learning progressions are key organizing principals of the NGSS and the framework. This professional learning will promote ongoing refinement of 2nd, 5th, and 7th grade implementation of the learning progression for PS1: Matter and Its Interactions. Schools and teachers will collaborate within and across districts to share and gain expertise in implementing the NGSS. ➤ Prerequisite: NGSX, Member of Schools K-8 Science Leadership Network. <p>Cost: Free for Member Districts*, \$25 for Nonmember Districts.</p>	<p>Dates (1 day):</p> <p>April 24.</p> <p>(This K-8 leadership network will meet annually.)</p>



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K-8 Science Leadership Network: 1→4→8 Physical Science Learning Progression

- Core Ideas and their related learning progressions are key organizing principals of the NGSS and the framework. This professional learning will promote ongoing refinement of 1st, 4th, and 8th grade implementation of the learning progressions for PS3: Energy and PS4: Waves Their Application in Technology for Information Transfer as presented in the Cereal City Science Curriculum. Schools and teachers will collaborate within and across districts to share and gain expertise in implementing the NGSS.
- **Prerequisite:** NGSX, Member of Schools K-8 Science Leadership Network.
Cost: Free for Member Districts*, \$25 for Nonmember Districts.

Dates
(1 day):

May 1.

(This K-8 leadership network will meet annually.)

Please Note:

Registration forms for all of the professional learning opportunities listed above are available on the Cereal City Science website at [HYPERLINK "https://www.cerealcityscience.org/services" https://www.cerealcityscience.org/services](https://www.cerealcityscience.org/services) under the Professional Learning Card.

All sessions run from 8:00am to 3:30pm at the Battle Creek Area Mathematics and Science Center located at 171 Michigan Ave W, Battle Creek, MI 49017.

We do reserve the right to cancel workshops if less than 15 teachers are registered 2 weeks prior to the workshop.

Registration forms can be faxed to Cindy Older at 269.965.9540 or sent by email to Cindy Older at Cindy@bcamsc.org.

* Member Districts are school districts in the Calhoun Intermediate School District (CISD). These schools support the Battle Creek Area Mathematics and Science Center as well as the Science Unit/Kit program.



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May 2018

Teacher Name: _____ **School District:** _____

Email: _____ **Phone Number:** _____

Grade Level: _____

Professional Learning Opportunities for K-12 Science Teachers Please select the date(s) for the workshop(s) you would like to register for on this form.	
NGSX (Next Generation Science Exemplar) Dates (4 day series): _____ Cohort 1: Aug. 8, Aug. 9, Sept. 28, and Oct. 15, 2018 OR _____ Cohort 2: Oct. 22, Nov. 7, Nov. 30, and Dec. 6, 2018 OR _____ Cohort 3: Nov. 14, Dec. 13, 2018 and Jan. 31, and Feb.22, 2019 OR _____ I would be interested in attending Saturday sessions (dates to be determined) _____ I would be interested in attending evening sessions (dates to be determined) No prerequisites required for this workshop series.	Cost: \$200 Free to K-8 teachers in Member Districts* committing to participate in the K-8 Science Leadership Network.
Professional Learning Opportunities for Elementary Middle School Teachers Please select the date(s) for the workshop(s) you would like to register for on this form. Note: Teachers registering for these workshops must have completed an NGSX Cohort and commit to being part of the K-8 Science Leadership Network.	
K-8 Leadership Network: K→3→6 Physical Science Learning Progression Date (1 day): _____ April 17.	Cost: \$25 Free to K-8 teachers in Member Districts* committing to participate in the K-8 Science Leadership Network.
K-8 Leadership Network: 2→5→7 Physical Science Learning Progression Date (1 day): _____ April 24.	Cost: \$25 Free to K-8 teachers in Member Districts* committing to participate in the K-8 Science Leadership Network.
K-8 Leadership Network: 1→4→8 Physical Science Learning Progression Date (1 day): _____ May 1.	Cost: \$25 Free to K-8 teachers in Member Districts* committing to participate in the K-8 Science Leadership Network.
Total	
Cost	



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May 2018

Administrator's Signature: _____ **Date:** _____

Please Note:

The Science Leadership Network will be an ongoing collaboration of school districts to support lead teachers' professional learning focused ongoing refinement of implementing NGSS in the classroom using the Cereal City Science Unit/Kit Program. Lead teachers will meet three times a year focusing on each of the three science domains (Physical, Earth, and Life Science) and their learning progressions.

Completed registration forms can be faxed to Cindy Older at (269) 965-9540 or sent by email to Cindy Older at Cindy@bcamsc.org. All sessions run from 8:00am to 3:30 pm at the Battle Creek Area Mathematics and Science Center (171 Michigan Ave W, Battle Creek, MI 49017).

The registration deadline is 2 weeks prior to the start date for each of the workshops. We reserve the right to cancel any workshop that does not reach a minimum of 15 participants. Districts will be invoiced for the registration fee after completion of the workshop or workshop series.

* Member Districts are school districts in the Calhoun Intermediate School District (CISD). These schools support the Battle Creek Area Mathematics and Science Center as well as the Science Unit/Kit program.