

# Next Generation Science Standards Professional Development Series



Presented by: Rutgers University-CMSCE

**RUTGERS**

Center for Mathematics, Science, and Computer Education

In partnership with the New Jersey State Museum

**NEW JERSEY  
STATE MUSEUM  
& PLANETARIUM**



[www.statemuseum.nj.gov](http://www.statemuseum.nj.gov)

The NGSS were adopted by NJ on July 9, 2014! Get a jump start on implementing and join us for one or all workshops in this special NGSS professional development series.

**Wednesdays @ Rutgers University- CMSCE (Busch Campus, Piscataway, NJ)**  
**Saturdays @ New Jersey State Museum (Trenton, NJ)**

<p><b>Overview of NGSS (FREE EVENT)</b></p> <ul style="list-style-type: none"> <li>December 3, 2014 @ CMSCE Time: 9:00 AM – 12:00 PM</li> <li>December 6, 2014 @ NJ State Museum Time: 10:00 AM – 1:00 PM</li> </ul>	<p>Explore the core elements of NGSS and learn about the essential big changes at this NGSS overview event. The session will identify the immediate things you can do to begin implementing NGSS. Long-term Implementation models and resources will be shared.</p>
<p><b>Science &amp; Engineering Practices: Physical Science</b> <b>Time: 9:00 AM – 3:00 PM</b></p> <ul style="list-style-type: none"> <li>January 7, 2015 @ CMSCE</li> <li>January 10, 2015 @ NJ State Museum</li> </ul>	<p>Pique your students' curiosity and drive their studies through the actual <i>doing</i> of science and engineering! We will examine physical science experiments and engineering design challenges that connect the NGSS content with an understanding of what scientists and engineers do, and share ideas of how you can do these in your own classroom.</p>

<p><b>Science &amp; Engineering Practices: Life Science</b> <b>Time: 9:00 AM – 3:00 PM</b></p> <ul style="list-style-type: none"> <li>• January 21, 2015 @ CMSCE</li> <li>• January 24, 2015 @ NJ State Museum</li> </ul>	<p>This session complements and builds on the previous session, focusing on practices that explore the life sciences. We'll tackle how scientists and engineers investigate and solve problems within these standards, and expand your repertoire of student activities and design challenges.</p>
<p><b>NGSS &amp; Technology Integration</b> <b>Time: 9:00 AM – 3:00 PM</b></p> <ul style="list-style-type: none"> <li>• February 4, 2015 @ CMSCE</li> <li>• February 7, 2015 @ NJ State Museum</li> </ul>	<p>Infusing quality STEM multimedia resources (simulations, interactives, video games, etc.) into your classroom is one easy way to further engage your students, increase their depth of understanding, and address the NGSS. Join us and explore exemplary STEM multimedia resources; learn where to find them; how to evaluate them and apply them to meet NGSS.</p>
<p><b>Best Practices for Implementing NGSS</b> <b>Time: 9:00 AM – 3:00 PM</b></p> <ul style="list-style-type: none"> <li>• February 25, 2015 @ CMSCE</li> <li>• February 28, 2015 @ NJ State Museum</li> </ul>	<p>This session will address research proven pedagogical models that best support NGSS, including Project Based Learning (PBL), Universal Design for Learning (UDL) as well as the Flipped Classroom. Taking the best elements of all and combining them to create your own personal blended model is the art of Implementing NGSS. Join us to explore these approaches and begin to develop your own pedagogical model that can effectively implement NGSS.</p>

**Cost**

- \$160/session (2 or more, rate is \$150)
- Entire Series \$520 (\$130/session)
- Send a team of 3 or more receive a 10% discount!

**Reduced Rate on In-district PD:** All participants will receive 10% off an in-district PD day. If you attend entire series it is a 25% discount.

**To Register:** <http://cmsce.rutgers.edu/>

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