NGSS Summer Institutes  
July & August 2016  
PRISM in Blanton Hall  
Montclair State University  

Reserve NOW at:  
REGISTER ONLINE  
973-655-7753 or prism@mail.montclair.edu  

$450 for 4-day institutes  
$150 per teacher for one-day workshops  
8:30-2:30pm (parking & coffee provided)  

<table>
<thead>
<tr>
<th>Date</th>
<th>Topics</th>
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<tbody>
<tr>
<td>July 7</td>
<td>1-day program (6 PD hrs) <em>Next Generation Science Standards: Fundamentals for Administrators &amp; Teachers:</em> A concise and practical introduction to the Standards, with guidance and materials to turnkey in your district.</td>
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<tr>
<td>July 8</td>
<td>1-day program (6 PD hrs) <em>NGSS Classroom Practices Overview, grades 6-12:</em> Formative Assessment, Argumentation, and Scientific and Engineering Modeling. Make teaching effective for engagement, retention, and deep understanding.</td>
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<td>July 11 – 14</td>
<td><em>NGSS Summer Institute (28 PD hrs)</em> <em>NGSS Classroom Practices, grades K-5:</em> Questioning, developing and using models, notebook skills, and formative assessment – classroom practices that make teaching effective for retention and deep understanding.</td>
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<tr>
<td>July 15</td>
<td>1-day program (6 PD hrs) <em>NGSS Classroom Practices Overview, grades 6-12:</em> Formative Assessment, Argumentation, and Modeling – make teaching effective for engagement and deep understanding.</td>
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August 1-4  NGSS Middle School Curriculum (28 PD hrs)  Biology Content Refresher Mini-course: Spruce up your content knowledge and spice up your lessons and units to align with best NGSS practices.

August 8-11  K-5 NGSS Science Content (28 PD hrs)  Content Refresher Mini-course for K-5 teachers to teach in alignment with the NGSS and best research-based teaching practices. Topics in Ecology and Physical Science.

August 12  1-day program (6 PD hrs)  Cross-Cutting Concepts in the Next Generation Science Standards: make meaning from these concepts and use them as frameworks for your teaching. Topic emphasis on Systems and Systems Thinking as well as practical assistance with all the cross-cutting concepts.

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