**Overview of NGSS and State Standards; Earth materials, especially minerals, rocks, and resources   
GED 7201 Session 1 16 Sep 2017**

**Overview of the NGSS and State Standards  
 Next Generation Science Standards** <http://www.nextgenscience.org/> **Notes:**

**The NGSS were based on** [“A Framework for K-12 Science Education”](https://www.nap.edu/catalog/13165/a-framework-for-k-12-science-education-practices-crosscutting-concepts) **(National Research Council)  
  
Notes:**

**NYS P-12 Science Standards** <https://earth2class.org/site/wp-content/uploads/2016/12/p-12-science-learning-standards.pdf>

[NYS Core Curriculum Guides and related documents](https://earth2class.org/site/?page_id=6298)

[NYC Science Scope & Sequence and other resources](https://earth2class.org/site/?page_id=3939)

**Notes:**

**Benefits of implementing NGSS-aligned lessons  
  
  
  
  
  
Obstacles to implementation**

**Earth Materials** [“Teaching about Minerals. Rocks, and Resources”](https://earth2class.org/site/?page_id=9403) **Notes:  
  
  
  
  
  
 Special focus: Sample lesson plans developed by LDEO Summer Institute participants  
  
 Hall and Admirand**

**McIntyre and Anderson  
  
  
   
 Other Activities**

[“Selected Basic Chemistry Activities pertaining to Matter”](https://earth2class.org/site/?page_id=8859)

**Notes:  
  
  
  
  
  
  
  
Your Contributions/Suggestions**