

8th grade Science Curriculum (will continue to be updated throughout the 2015-2016 school year)

Concept	Content	SEP	Assessment	Standard
Matter and Its Interactions	<ul style="list-style-type: none">● atomic structure● Periodic Table● molecular structure● states of matter● changes in states of matter (focus on thermal energy)● chemical reactions<ul style="list-style-type: none">○ chemical changes○ energy changes○ conservation of mass	<ul style="list-style-type: none">● analyzing and interpreting data● plan and carry out investigations● develop and use models	<ul style="list-style-type: none">● test/quizzes● labs/student directed investigations● changes in state of matter model● molecular structure model● conservation of mass model● discussions/feedback	<ul style="list-style-type: none">● MS PS1 – 1● MS PS1 – 2● MS PS1 – 4● MS PS1 – 5

For more information on Science and Engineering Practices:

<http://www.nextgenscience.org/sites/ngss/files/Appendix%20F%20%20Science%20and%20Engineering%20Practices%20in%20the%20ONGSS%20-%20FINAL%20060513.pdf>

For more information on the Next Generation Science Standards:

<http://www.nextgenscience.org/msps1-matter-interactions>