

	1 <sup>st</sup> Semester			2 <sup>nd</sup> Semester		
<b>Topic</b>	Matter Cycling & Photosynthesis	Ecosystem Dynamics	Metabolic Reactions	Chemical Reactions and Matter	Chemical Reactions and Energy	Earth's Resources & Human Impact
<b>Essential Questions</b>	Where does food come from and where does it go next?	How does changing an ecosystem affect what lives there?	How do things inside our bodies work together to make us feel the way we do?	How can we make something new that was not there before?	How can we make chemical reactions to design a solution to a problem?	How do changes in the Earth's system impact our communities and what can we do about it?
<b>Standards/ Outcomes</b>	MS-LS1-6, MS-LS1-7	MS-LS2-1, MS-LS2-4, MS-LS2-2, MS-LS2-5, MS-ESS3-3, MS-ETS1-1	MS-LS1-3, MS-LS1-5, MS-LS1-7, MS-PS1-1, MS-PS1-2	MS-PS1-1, MS-PS1-2, MS-PS1-5, MS-LS1-8	MS-PS1-6, MS-ETS1-2, MS-ETS1-3, MS-ETS1-4	MS-ESS3-1, MS-ESS3-3, MS-ESS3-4, MS-ESS3-5, MS-ETS1-2
<b>Curriculum Materials</b>	OpenSciEd.org					
<b>Supplemental Materials</b>	YouTube Videos, Science World Magazine, PhET Simulations, HHMI Interactive, CK12 Flexbooks					
<b>Connections</b>						
<b>Assessments</b>	NGSS Performance Expectations					

\*Note: Order of units is at Instructor's discretion