

# High School Science Resources ONLINE

**Bolded Activities are the best source to learn and practice topics in each subject area.**

Activity	Description	Link	Primary Subjects
<b>Khan Academy Bio</b>	Videos, practice problems, and readings for each topic to be covered in High School Biology	<a href="https://www.khanacademy.org/science/high-school-biology">https://www.khanacademy.org/science/high-school-biology</a>	<b>Biology</b>
<b>Khan Academy AP Bio</b>	Videos, practice problems, and readings for each topic to be covered in AP Biology	<a href="https://www.khanacademy.org/science/ap-biology">https://www.khanacademy.org/science/ap-biology</a>	<b>AP/IB Biology</b>
<b>Amoeba Sisters</b>	two sisters on a mission to demystify science with humor and relevance by creating videos, GIFs, comics, and resources	Learning Playlist: <a href="https://www.youtube.com/playlist?list=PLwL0Myd7Dk1F0iQPGrjehze3eDpco1eVz">https://www.youtube.com/playlist?list=PLwL0Myd7Dk1F0iQPGrjehze3eDpco1eVz</a> Main Site: <a href="https://www.amoebasisters.com/">https://www.amoebasisters.com/</a>	<b>Biology</b>
The Great Flu (enable flash)	You are the leader of the world pandemic control. A new pandemic has hit the world. Your job is to prevent the serious threat to the world population. Create research teams, distribute antivirals, close schools and markets, and create a vaccine.	<a href="http://www.thegreatflu.com/">http://www.thegreatflu.com/</a>	Biology, 6-8 Science
Medical Mysteries (enable flash)	Become a member of a team of scientists who investigates infectious disease. In each mission, you will solve a different case. Can you help stop the spread of disease?	<a href="http://webadventures.rice.edu/stu/Games/MedMyst-Reloaded/401/Game-Overview.html">http://webadventures.rice.edu/stu/Games/MedMyst-Reloaded/401/Game-Overview.html</a>	Biology, 6-8 Science
Pandemic II (enable flash)	A virus is about to start infecting the world and you're in control. You must strategically evolve your virus so it spreads across the earth.	<a href="https://www.crazymonkeygames.com/fullscreen.php?game=pandemic-2">https://www.crazymonkeygames.com/fullscreen.php?game=pandemic-2</a>	Biology, 6-8 Science
Social Distancing Simulator	Simulate the effects of the spread of disease and the efficacy of social distancing	<a href="https://www.washingtonpost.com/graphics/2020/world/corona-simulator/">https://www.washingtonpost.com/graphics/2020/world/corona-simulator/</a>	<b>Biology, All</b>
<b>Khan Academy Chemistry</b>	Videos, practice problems, and readings for each topic to be covered in High School Chemistry	<a href="https://www.khanacademy.org/science/chemistry">https://www.khanacademy.org/science/chemistry</a>	<b>Chemistry</b>
<b>Khan Academy AP Chemistry</b>	Videos, practice problems, and readings for each topic to be covered in AP Chemistry	<a href="https://www.khanacademy.org/science/chemistry/ap-chemistry">https://www.khanacademy.org/science/chemistry/ap-chemistry</a>	<b>AP/IB Chemistry</b>
Bond Breaker II (App & web)	Bond Breaker 2 is a game all about the atomic world. To solve each level you will need to need to manipulate protons, molecules, laser light, and more.	iOS: <a href="https://apps.apple.com/nz/app/bond-breaker/id901257975">https://apps.apple.com/nz/app/bond-breaker/id901257975</a> Android: <a href="https://play.google.com/store/apps/details?id=com.testtube">https://play.google.com/store/apps/details?id=com.testtube</a>	6-8 science, Physical Science, Chemistry

	You can push and pull atoms around, combine them, and split them, all whilst needing to avoid obstacles along the way.	<a href="http://games.molecule.com">games.molecule</a> Web: <a href="https://testtubegames.com/bo ndbreaker.html">https://testtubegames.com/bo ndbreaker.html</a>	
goReact (App & Web)	In this drag-and-drop laboratory, combine elements from the Periodic Table to create chemical reactions and discover the chemistry in the world around you!	iOS: <a href="https://apps.apple.com/us/app /goreact/id649585694">https://apps.apple.com/us/app /goreact/id649585694</a> Android: <a href="https://play.google.com/store/ apps/details?id=com.goReact">https://play.google.com/store/ apps/details?id=com.goReact</a> Web: <a href="https://www.msichicago.org/pl ay/goreact/">https://www.msichicago.org/pl ay/goreact/</a>	Chemistry, Physical Science
ChemReaX  (click “reaction selector”)	A chemical reaction modeling and simulation app.	General Reactions: <a href="https://chem.libretexts.org/Bo okshelves/Ancillary_Materials /Interactive_Applications/Che mReaX%3A_Chemical_React ion_Simulator/ChemReaX_-_ Simulation_Dashboards/Che mReaX_-_General_Reactions">https://chem.libretexts.org/Bo okshelves/Ancillary_Materials /Interactive_Applications/Che mReaX%3A_Chemical_React ion_Simulator/ChemReaX_-_ Simulation_Dashboards/Che mReaX_-_General_Reactions</a> Acid-Base Titrations <a href="https://chem.libretexts.org/Bo okshelves/Ancillary_Materials /Interactive_Applications/Che mReaX%3A_Chemical_React ion_Simulator/ChemReaX_-_ Simulation_Dashboards/Che mReaX_-_Acid-Base_Titrations">https://chem.libretexts.org/Bo okshelves/Ancillary_Materials /Interactive_Applications/Che mReaX%3A_Chemical_React ion_Simulator/ChemReaX_-_ Simulation_Dashboards/Che mReaX_-_Acid-Base_Titrations</a>	Chemistry/ AP Chemistry
MIT: Cosmic origin of the chemical elements	Everything around us is made from different elements: carbon, silicon, iron, and all the other elements from the Periodic Table. But have you ever wondered where all these elements came from?	<a href="https://ocw.mit.edu/resources/ res-8-007-cosmic-origin-of- the-chemical-elements-fall- 2019/Videos/index.htm">https://ocw.mit.edu/resources/ res-8-007-cosmic-origin-of- the-chemical-elements-fall- 2019/Videos/index.htm</a>	Chemistry/ Physics
Khan Academy Physics	Videos, practice problems, and readings for each topic to be covered in AP Chemistry	<a href="https://www.khanacademy. org/science/physics">https://www.khanacademy. org/science/physics</a>	Physics
Khan Academy AP Physics	Videos, practice problems, and readings for each topic to be covered in AP Physics 1 and AP Physics 2	AP Physics 1: <a href="https://www.khanacademy. org/science/physics/ap- physics-1">https://www.khanacademy. org/science/physics/ap- physics-1</a> AP Physics 2: <a href="https://www.khanacademy. org/science/physics/ap- physics-2">https://www.khanacademy. org/science/physics/ap- physics-2</a>	IB/ AP Physics I & II
MIT Open Courseware	Classical Mechanics Lessons with Videos with an online textbook	<a href="https://ocw.mit.edu/courses /physics/8-01sc-classical- mechanics-fall- 2016/syllabus/">https://ocw.mit.edu/courses /physics/8-01sc-classical- mechanics-fall- 2016/syllabus/</a>	AP/IB Physics, Physics