



# MSSD LEARNING RESOURCES

## SCIENCE

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<b>CHEMISTRY</b>			
<b>Title</b>	<b>Link (if it's a file upload into the folder and link to the file here or writes "in folder")</b>	<b>Short description of the content</b>	<b>Grade Level (EA, Standard, Honors)</b>
<b>Khan Academy</b>	<a href="https://www.khanacademy.org/science/chemistry">https://www.khanacademy.org/science/chemistry</a>	Basically online "textbook" where you want to know all about chemistry. It offers video and practice tests/quiz!	Standard
<b>Periodic Table of Comic books</b>	<a href="http://www.uky.edu/Projects/Chemcomics/">http://www.uky.edu/Projects/Chemcomics/</a>	Fun to read and learn at the same time! This source offers a comic strip for each element! It will explain element's background and how it reacts with other: cation/anion and electron configuration, and electronegativity.	All
<b>Chemistry World</b>	<a href="https://www.chemistryworld.com/">https://www.chemistryworld.com/</a>	Chemistry World offers an article about current and past events that are chemistry-related. I assure you there are plenty of good pieces to read! The best part is a free account to create.	All
<b>Chem4Kids</b>	<a href="http://www.chem4kids.com/">http://www.chem4kids.com/</a>	I know it said kids but actually it is for everyone. The peak of this website is readable and easy to follow. This website covers matter, atoms, the periodic table, elements, reactions, and biochemistry.	EA



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<b>Introduction to chemistry, Atoms, and Elements. (PDF)</b>	<a href="https://www.utc.edu/faculty/tom-rybolt/pdfs/atoms.pdf">https://www.utc.edu/faculty/tom-rybolt/pdfs/atoms.pdf</a>	It offers examples of chemistry mathematical problem and the details are short and clear.	All
<b>Fundamentals of Chemistry (PDF)</b>	<a href="http://dspace.bhos.edu.az/xmlui/bitstream/handle/123456789/35/fundamentals-of-chemistry.pdf?sequence=1">http://dspace.bhos.edu.az/xmlui/bitstream/handle/123456789/35/fundamentals-of-chemistry.pdf?sequence=1</a>	Basically PDF textbook so suggest using USB to download the content. It is easy to follow and it offers example problems to solve.	all
<b>Crash Course Chemistry via Youtube</b>	<a href="https://www.youtube.com/user/crashcourse">https://www.youtube.com/user/crashcourse</a>	Crash Course offers the history and logical reasoning behind the chemistry. It is fun to watch.	all
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<b>BIOLOGY</b>			
<b>Title</b>	<b>Link (if it's a file upload into the folder and link to the file here or write "in folder")</b>	<b>Short description of content</b>	<b>Grade Level (EA, Standard, Honors)</b>
<b>HHMI BioInteractive</b>	<a href="https://www.biointeractive.org/">https://www.biointeractive.org/</a>	Awesome website where you can find newest resources related to real science, real stories, and real data to engage you in exploring the living world! You can type any topic you want to research in "search resources" or you can browse around.	Standard and Honors
<b>CELLS alive!</b>	<a href="https://www.cellsalive.com/">https://www.cellsalive.com/</a>	You can explore cells, microbes, and the immune system. The website includes different activities: interactive cell models; cell puzzles & games; interactive eukaryote cell cycle; how big virus, bacterium, immune cell are; geneTICs alive, microbes, immune response, and microscopy.	ALL
<b>What are you curious about?</b>	<a href="https://www.science.org.au/curious/">https://www.science.org.au/curious/</a>	Search anything related science that you are curious about! Topics include: technology & the future; people & medicine; earth & environment; space & time; and policy & features.	Standard and Honors
<b>Bioman Biology: The fun place to learn Biology!</b>	<a href="https://www.biomanbio.com/">https://www.biomanbio.com/</a>	Here you will find learning games, review games, virtual labs and quizzes that will help you to learn about cells, ecology, genetics, physiology, and much more!	ALL



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<b>Biology Principles Review</b>	<a href="https://drive.google.com/open?id=1OX_QUaP8j01FGzZGa0dFud45OVMWjPVI">https://drive.google.com/open?id=1OX_QUaP8j01FGzZGa0dFud45OVMWjPVI</a>	Here you will find keys from biological concepts. Worth to review for MISA.	Standards and Honors
<b>CrashCourse Biology</b> (via YouTube)	<a href="https://www.youtube.com/playlist?list=PL3EED4C1D684D3ADF">https://www.youtube.com/playlist?list=PL3EED4C1D684D3ADF</a>	A series of short episodes (~47) that are about 10-15 minutes long and discusses almost everything about biology.	Standard and Honors, EA can also use (set video setting to 0.5 or 0.75 to keep up) with ASL access to discuss.
<b>NETFLIX documentaries</b>	<a href="http://www.netflix.com">www.netflix.com</a>	<b>TITLES TO WATCH</b>  <b>Pandemic: How to prevent an outbreak (TV show)</b> Rating: TV-14 Description: <i>"In this docuseries, meet the heroes on the front lines of the battle against influenza and learn about their efforts to stop the next global outbreak."</i>  <b>Night on Earth (TV show)</b> Rating: TV-PG Description: <i>"This nature series' new technology lifts nights' veil to reveal the hidden lives of the world's creatures from lions on the hunt to bats on wings."</i>  <b>Oceans</b>	ALL



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		<p>Rating: G Description: <i>“An ecological drama/documentary, filmed throughout the globe. Part thriller, part meditation on the vanishing wonders of the sub-aquatic world.”</i></p> <p><b>Terra</b> Rating: TV-PG Description: <i>“A visually stunning documentary that reflects human’s relationship to other species on Earth as humanity becomes more and more isolated from Nature.”</i></p> <p><b>The World’s Most Wanted Animal</b> Rating: TV-PG Description: <i>“A conservationist shares her emotional journey in helping save rare, scaly mammals that have been illegally trafficked and now face extinction”</i></p> <p><b>The C Word</b> Rating: TV-14 Description: <i>“To solve the mystery of cancer, challenging the status quo is a must. Witness how lifestyle and societal changes may help beat the disease.”</i></p>	
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EARTH SCIENCE			
<i>Title</i>	<i>Link (if it's a file upload into the folder and link to the file here or write "in folder")</i>	<i>Short description of content</i>	<i>Grade Level (EA, Standard, Honors)</i>
<b>CrashCourse Astronomy</b> (via YouTube)	<a href="https://www.youtube.com/playlist?list=PL8dPuuaLjXtPAJr1ysd5yGlyiSFuh0mIL">https://www.youtube.com/playlist?list=PL8dPuuaLjXtPAJr1ysd5yGlyiSFuh0mIL</a>	A series of short episodes (~47) that are about 10-15 minutes long and discusses almost everything about astronomy.	Standard and Honors, EA can also use (set video setting to 0.5 or 0.75 to keep up) with ASL access to discuss.
<b>Science World: Breaking Barriers</b>	Links for: <ul style="list-style-type: none"><li>• <a href="#">Magazine article style format</a></li><li>• <a href="#">Magazine article in bigger words</a></li><li>• <a href="#">Guide to reflection</a></li></ul>	This article discusses NASA making history by accomplishing the first all-female spacewalk. Students can read the article and think about their thoughts/responses to it. Just in case the magazine link is hard to read, a PDF copy with bigger words has also been included.	4th grade reading level and up.
<b>NETFLIX documentaries</b>	<a href="http://www.netflix.com">www.netflix.com</a>	<b>TITLES TO WATCH</b> <b>Ultimate Mars Challenge (by PBS)</b> Rating: TV-G Description: <i>"With access to the scientists and engineers responsible for the Curiosity rover's</i>	Standard and Honors; EA can also watch, given they're able to discuss its contents with someone in ASL.



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		<p><i>on-the-ground experiments, NOVA captures its landing on Mars.”</i></p> <p><b>Edge of the Universe</b>            Rating: TV-G            Description: “<i>Leading astronomers reveal the latest discoveries about death-trap planets, asteroids, comets and other wonders of the cosmos.</i>”</p>	
<p><b>“10+ Things to Do with NASA @ Home”</b></p>	<p><a href="https://solarsystem.nasa.gov/news/1192/10-things-to-do-with-nasa-home/">https://solarsystem.nasa.gov/news/1192/10-things-to-do-with-nasa-home/</a></p>	<p>A selection collection of NASA resources to fill in the days and nights while everyone is at home. Includes activities that students can do at home; activities can be done either online, or by going outside to view the skies, etc.</p>	<p>ALL</p>
<p><b>Moon Phases using Oreos</b></p>	<p><a href="https://drive.google.com/file/d/1vwhZK-RIWuoEnwprFi7LSR4pBwMGSd-L/view?usp=sharing">https://drive.google.com/file/d/1vwhZK-RIWuoEnwprFi7LSR4pBwMGSd-L/view?usp=sharing</a></p>	<p>PDF copy of activity that allows students to copy four moon phases using Oreos.</p>	<p>EA and Standard</p>
<p><b>Disney+ documentaries</b></p>	<p><a href="http://www.disneyplus.com">www.disneyplus.com</a></p>	<p><b>TITLES TO WATCH</b></p> <p><b>National Geographic: Apollo - Missions to the Moon</b>            Rating: TV-PG            Description: “<i>...This is the story of Project Apollo - 12 years, 12 manned-missions, one impossible goal.</i>”</p> <p><b>National Geographic: One Strange Rock</b>            Rating: TV-PG</p>	<p>Standard and Honors; EA can also watch, given they’re able to discuss its contents with someone in ASL.</p>





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		Description: “ <i>One Strange Rock reveals the magical twists of fate that have allowed life to thrive only on Earth.</i> ”	
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## PHYSICAL SCIENCE

<b>Title</b>	<b>Link (if it's a file upload into the folder and link to the file here or write "in folder")</b>	<b>Short description of content</b>	<b>Grade Level (EA, Standard, Honors)</b>
<b>Newsela: “Windiest spot looks to harness ocean winds, with British help”</b>	<a href="https://drive.google.com/drive/folders/183enSkcxHdmbEqn3Q7cMKpVFC_rSymuZ?usp=sharing">https://drive.google.com/drive/folders/183enSkcxHdmbEqn3Q7cMKpVFC_rSymuZ?usp=sharing</a>	The article talks about renewable resources and how we're harnessing the wind from the ocean for electricity. There are different levels for reading along with related questions with answers to check for reading comprehension.	5 different levels ranging from 490L to max.
<b>PhET Simulations</b>	<a href="https://phet.colorado.edu/en/simulations/category/html">https://phet.colorado.edu/en/simulations/category/html</a> (This particular link is directed in a HTML5 only, which is also compatible with iPads whereas the others aren't.)	Interactive simulations that review physical science concepts, particularly the physics aspect since the second semester focuses on physics.  Simulations to check out: <ul style="list-style-type: none"><li>• Charges and Fields</li><li>• Circuit Construction Kit DC - Virtual Lab</li><li>• Energy Skate Park: Basics</li><li>• Pendulum Lab</li><li>• Ohm's Law</li></ul>	ALL



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<b>Disney+ documentaries</b>	<a href="http://www.disneyplus.com">www.disneyplus.com</a>	<b>TITLES TO WATCH</b>  <b>National Geographic: Continent 7</b> Rating: TV-PG Description: <i>“This is Antartica, where close-knit communities of scientists, engineers, and hardened field vets...[fight] brutal conditions to conduct crucial science.”</i>  <b>National Geographic: Supercar Megabuild</b> Rating: TV-PG Description: <i>“A team of top car mechanics team up with legendary automotive entrepreneur to create some of the most awesome supercar megabuilds we’ve ever seen.”</i>  <b>National Geographic: Science Fair</b> Rating: PG Description: <i>“Nine high school students from around the globe navigate rivalries, setbacks, and hormones on their quest to compete at the prestigious International Science and Engineering Fair.”</i>	Standard and Honors; EA can also watch, given they’re able to discuss its contents with someone in ASL.
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HEALTH			
<b>Title</b>	<b>Link (if it's a file upload into the folder and link to the file here or write "in folder")</b>	<b>Short description of content</b>	<b>Grade Level (EA, Standard, Honors)</b>
<b>70 Quick Health Facts: Food, Fitness, Hydration, Random (FUN!)</b>	<a href="https://www.thegoodbody.com/health-facts/">https://www.thegoodbody.com/health-facts/</a>	These health facts cover a range of topics to provide you with knowledge and insights into how you can better take care of yourself and information about health around the world.	Standard and Honors. EA (with someone's support to translate English to ASL)
<b>Health Trek</b>	<a href="http://www.healthtrek.org/">http://www.healthtrek.org/</a>	You can take on an interactive journey exploring fitness and nutrition. You can get the facts or just play some awesome games.	ALL (EA can benefit playing games)
<b>50 Science-Backed Health Facts That Will Blow Your Mind</b>	<a href="https://bestlifeonline.com/health-facts/">https://bestlifeonline.com/health-facts/</a>	It can be hard to trust the information you hear about your physical and mental wellbeing. Here you can find hard truths about your health from the nonsense. These science-backed health facts will blow your mind!	Standard and Honors. EA (with someone's support to translate English to ASL)
<b>MedlinePlus Health Games</b>	<a href="https://medlineplus.gov/games.html">https://medlineplus.gov/games.html</a>	Boost your health knowledge by playing these interactive health games. The games include comics and quizzes and offer a variety of health topics.	ALL



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<b>NETFLIX documentaries</b>	<a href="http://www.netflix.com">www.netflix.com</a>	<p><b>Period. End of Sentence.</b> Rating: TV-PG Description: <i>“In rural India, where the stigma of menstruation persists, women make low-cost sanitary pads on a new machine and stride toward financial independence.”</i></p> <p><b>Take Your Pills</b> Rating: TV-14 Description: <i>“In a hypercompetitive world, drugs like Adderall offer students, athletes, coders and others a way to do more -- faster and better. But at what cost?”</i></p> <p><b>My Beautiful Broken Brain</b> Rating: TV-14 Description: <i>“After suffering a stroke at age 34, a woman documents her struggles, setbacks and eventual breakthrough as she relearns to speak, read and write.”</i></p> <p><b>Prescription Thugs</b> Rating: TV-MA Description: <i>“A documentarian uses his own family’s experiences as a springboard to explore the ethical issues surrounding the FDA and pharmaceutical industry.”</i></p>	ALL
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<b>HUMAN ANATOMY</b>			
<b>Title</b>	<b>Link (if it's a file upload into the folder and link to the file here or write "in folder")</b>	<b>Short description of content</b>	<b>Grade Level (EA, Standard, Honors)</b>
<b>CrashCourse Anatomy &amp; Physiology</b> (via YouTube)	<a href="https://www.youtube.com/playlist?list=PL8dPuualjXtOAKed_MxxWBNaPno5h3Zs8">https://www.youtube.com/playlist?list=PL8dPuualjXtOAKed_MxxWBNaPno5h3Zs8</a>	A series of short episodes (~48) that are about 10-15 minutes long and discusses almost everything about human anatomy and physiology.	Standard and Honors, I've used it on EA but they need lots of breaks in between to discuss in ASL.
<b>Anatomy Corner</b>	<a href="http://anatomycorner.com/main/">http://anatomycorner.com/main/</a>	The resource site students of Anatomy and Physiology. Find quizzes, diagrams, and slide presentations on structures, functions, and systems.	Standard
<b>Get Body Smart</b>	<a href="https://www.getbodysmart.com/">https://www.getbodysmart.com/</a>	fully animated and interactive e-book about the human body. It also included quizzes.	EA
<b>NIH</b>	<a href="https://training.seer.cancer.gov/anatomy/">https://training.seer.cancer.gov/anatomy/</a>	The Anatomy and Physiology module introduces the structure and function of the human body. It has 12 modules and quizzes.	Standard
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ENVIRONMENTAL SCIENCE			
<b>Title</b>	<b>Link (if it's a file upload into the folder and link to the file here or write "in folder")</b>	<b>Short description of content</b>	<b>Grade Level (EA, Standard, Honors)</b>
<b>Text sets</b>	In Folder	Several text sets are attached in folder talking about Earth, living beings and the interaction between living and non-living on earth to create an environment we have today.	EA and standard
<b>CrashCourse Environmental Science</b> (via YouTube)	<a href="https://www.youtube.com/watch?v=EM1lylyr-Zc&amp;list=PLWNFsVK9R1MCvVPPAzX9_cV5YnfUKQaPx">https://www.youtube.com/watch?v=EM1lylyr-Zc&amp;list=PLWNFsVK9R1MCvVPPAzX9_cV5YnfUKQaPx</a>	A series of short episodes that are about 10-15 minutes long and discusses almost everything about environmental science	Standard and Honors, I've used it on EA but they need lots of breaks in between to discuss in ASL.
<b>What if</b> (via YouTube)	<a href="https://www.youtube.com/channel/UCphTF9wHwhCt-Bzlq-s4V-g">https://www.youtube.com/channel/UCphTF9wHwhCt-Bzlq-s4V-g</a>		ALL
<b>NETFLIX Documentaries</b>	<a href="http://www.netflix.com">www.netflix.com</a>	<b>TITLES TO WATCH</b>  <b>Our Planet</b> Rating: TV-PG Description: <i>"One Planet. Witness the planet's breathtaking diversity -- from seabirds carpet-bombing the ocean to wildebeests eluding the wild dogs of the Serengeti."</i>	ALL



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		<p><b>Chasing Coral</b> Rating: TV-PG Description: <i>“Divers, scientists and photographers around the world mount an epic underwater campaign to document the disappearance of coral reefs.”</i></p> <p><b>A Plastic Ocean</b> Rating: TV-14 Description: <i>“When he discovers the world’s oceans brimming with plastic waste, a documentary filmmaker investigates the pollution’s environmental impacts.”</i></p>	
<p><b>AMAZON PRIME VIDEO</b> (free on amazon prime subscription)</p>	<p><a href="http://www.amazon.com">www.amazon.com</a></p>	<p><b>TITLES TO WATCH</b></p> <p><b>Artifishal</b> Rating: 13+ Description: <i>“A film about people, rivers, and the fight for the future of wild fish and the environment that supports them. It explores wild salmon’s slide toward extinction.”</i></p> <p><b>Living the Change: Inspiring Stories for a Sustainable Future</b> Rating: 7+ Description: <i>“The film explores solutions to the global crises we face today through the inspiring</i></p>	<p>ALL</p>



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		<i>stories of people pioneering change in their own lives and in their communities in order to live in a sustainable and regenerative way.”</i>	
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PHYSICS			
<i>Title</i>	<i>Link (if it's a file upload into the folder and link to the file here or write "in folder")</i>	<i>Short description of content</i>	<i>Grade Level (EA, Standard, Honors)</i>
<b>Physics Classroom</b>	<a href="https://www.physicsclassroom.com/">https://www.physicsclassroom.com/</a>	<p>Physics classroom has many resources in detail, practice questions and interactives that you can learn from. To be precise, use the following links to learn about the topics</p> <p>Light and Color- <a href="https://www.physicsclassroom.com/class/light">https://www.physicsclassroom.com/class/light</a></p> <p>Reflection and Mirrors- <a href="https://www.physicsclassroom.com/class/refln">https://www.physicsclassroom.com/class/refln</a></p> <p>Refraction and lenses- <a href="https://www.physicsclassroom.com/class/refrn">https://www.physicsclassroom.com/class/refrn</a></p> <p>Static Electricity- <a href="https://www.physicsclassroom.com/class/estatic">https://www.physicsclassroom.com/class/estatic</a></p> <p>Electric Circuits- <a href="https://www.physicsclassroom.com/class/circuit">https://www.physicsclassroom.com/class/circuit</a></p>	Honors
<b>Khan Academy</b>	<a href="https://www.khanacademy.org/">https://www.khanacademy.org/</a>	<p>Khan academy has videos, quizzes and assignments where you can learn and test what you learnt. It is an excellent source of independent learning. Check it out for several topics.</p>	Honors



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		<p>For Reflection, Refraction, Mirrors and Lenses- <a href="https://www.khanacademy.org/science/physics/geometric-optics">https://www.khanacademy.org/science/physics/geometric-optics</a></p> <p>For the complete Physics module- here is the link- <a href="https://www.khanacademy.org/science/physics">https://www.khanacademy.org/science/physics</a></p>	
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<b>MISA</b>			
<b>Title</b>	<b>Link (if it's a file upload into the folder and link to the file here or write "in folder")</b>	<b>Short description of content</b>	<b>Grade Level (EA, Standard, Honors)</b>
<b>MISA test practice</b>	<a href="https://docs.google.com/document/d/1GhqSgOs16uBN9ptE9k-ljP1mVTJbtxhEYQWj7ZNS9No/edit">https://docs.google.com/document/d/1GhqSgOs16uBN9ptE9k-ljP1mVTJbtxhEYQWj7ZNS9No/edit</a>	There is ASL version practice test (look at the bottom, there is username and password)	ALL
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GENERAL SCIENCE / SOCIAL MEDIA			
<i>Title</i>	<i>Link (if it's a file upload into the folder and link to the file here or write "in folder")</i>	<i>Short description of content</i>	<i>Grade Level (EA, Standard, Honors)</i>
<b>SOCIAL MEDIA: INSTAGRAM</b>	www.instagram.com	<b>IG accounts to follow:</b> <ul style="list-style-type: none"><li>- Atomichands (STEM ASL-centric resources)</li><li>- Healthsignsctr (a center for all things public health in ASL)</li><li>- Deafhealth (community health in ASL)</li><li>- Ameliarchaeologist (Deaf Archaeologist-visual podcasts and short educational clips in ASL)</li><li>- Deafinscrubs (get update medical and scientific knowledge in ASL)</li><li>- Sexeducationasl (sexuality education and training for the Deaf Community)</li><li>- Nationaldeaftherapy (Deaf Therapists-The Deaf Mental Health Group Practice)</li></ul>	ALL
<b>Science ASL website</b>	<a href="https://www.atomichands.com/">https://www.atomichands.com/</a>	Watch here for cool ASL videos about different Science facts, deaf people working in Science and current STEM events.	ALL
<b>1001 Shocking</b>	<a href="https://drive.google.com/open?id=1s">https://drive.google.com/open?id=1s</a>	The title says it all!	ALL



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<b>Science Facts (PDF)</b>	<a href="#">_jUxrg7D4DurmpBZNtKhgDWt1P6d OL5</a>		
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