
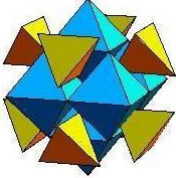


# Digital STEAM Learning Resources


Looking for more ways to learn about Science, Technology, Engineering, Art, and Math? Check out what your local STEAM community has to offer!

## San Antonio Institutions:



Organization Name	Brief Description	Who It's For	Weblink/ how to access
<b>Witte Museum</b> 	Witte Where You Are: <ul style="list-style-type: none"> <li>• Short videos of museum content</li> <li>• Instructions for hands-on educational activities</li> </ul>	Families with learners of all ages	<a href="https://www.witemuseum.org/Witte-Where-You-Are/">https://www.witemuseum.org/Witte-Where-You-Are/</a>
<b>OCTA-TETRA Museum</b> 	1) STEM to STEAM - Video Series about 3-D Geometry and a hands-on activity making a model - "Gyroscope Origami Dodecahedron"  2) Art Nouveau - Alphonse Mucha coloring pages - Art Nouveau was a style of art and architectural design that flourished 1890-1910. It was a blend of natural and geometric forms popularized in the posters of Alphonse Mucha.	Grades 3 - 12 and beyond	1) <a href="https://tinyurl.com/swd7rxj">https://tinyurl.com/swd7rxj</a>  <a href="https://www.youtube.com/playlist?list=PLVGlesjsif4DRzSzSP40zTGBrB6tIA84">https://www.youtube.com/playlist?list=PLVGlesjsif4DRzSzSP40zTGBrB6tIA84</a>  2) <a href="https://www.pinterest.com/pin/798755683898318238/">https://www.pinterest.com/pin/798755683898318238/</a>
<b>San Antonio Museum of Science and Technology</b>	SAMSAT Online: <ul style="list-style-type: none"> <li>• Inquiry-based Museum and STEM Experiences for 5-12</li> </ul>	Online school classrooms grades 5-12 and families	<a href="https://www.samsat.org">https://www.samsat.org</a>
<b>San Antonio Water System</b>	<ul style="list-style-type: none"> <li>• Virtual Classroom <a href="https://www.youtube.com/playlist?list=PLVGlesjsif4DRzSzSP40zTGBrB6tIA84">https://www.youtube.com/playlist?list=PLVGlesjsif4DRzSzSP40zTGBrB6tIA84</a></li> <li>• Lessons &amp; activities</li> <li>• Know your H2O</li> </ul>		A virtual classroom: <a href="https://apps.saws.org/Educatihttps://www.youtube.com/playlist?list=PLVGlesjsif4DRzSzSP40zTGBrB6tIA84on/Virtual_Classroom/index.cfm">https://apps.saws.org/Educatihttps://www.youtube.com/playlist?list=PLVGlesjsif4DRzSzSP40zTGBrB6tIA84on/Virtual_Classroom/index.cfm</a>



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<p><b>San Antonio Water System (continued)</b></p>	<ul style="list-style-type: none"> <li>• PBL Modules</li> <li>• And a few San Antonio Water System Gardening activities:  <a href="https://www.gardenstylesanantonio.com/">https://www.gardenstylesanantonio.com/</a> </li> </ul>		<p>Lessons and Activities:  <a href="https://www.saws.org/education/student-programs/lesson-plan/">https://www.saws.org/education/student-programs/lesson-plan/</a></p> <p>Know Your H2O lessons:  <a href="https://www.saws.org/education/student-programs/know-your-h2o/">https://www.saws.org/education/student-programs/know-your-h2o/</a></p> <p>PBL Modules  <a href="https://apps.saws.org/Education/download/index.cfm">https://apps.saws.org/Education/download/index.cfm</a></p> <p>Password: <b>Impact GardenStyleSA:</b></p> <p><a href="https://www.gardenstylesanantonio.com/garden-tips-blog/toy-garden-upcycled-creature-feature/">https://www.gardenstylesanantonio.com/garden-tips-blog/toy-garden-upcycled-creature-feature/</a></p> <p><a href="https://www.gardenstylesanantonio.com/garden-tips-blog/mothers-day-garden/">https://www.gardenstylesanantonio.com/garden-tips-blog/mothers-day-garden/</a></p> <p><a href="https://www.gardenstylesanantonio.com/garden-tips-blog/bat-house-project-to-drive-dad-batty/">https://www.gardenstylesanantonio.com/garden-tips-blog/bat-house-project-to-drive-dad-batty/</a></p> <p><a href="https://www.gardenstylesanantonio.com/garden-tips-blog/apple-of-my-eye-tote-for-teachers/">https://www.gardenstylesanantonio.com/garden-tips-blog/apple-of-my-eye-tote-for-teachers/</a></p>
<p><b>Elequa Inc.</b></p> 	<p><b>MakeWater.org Program</b>          Education Through Water Innovation</p> <ul style="list-style-type: none"> <li>- Hands on D.I.Y. challenges</li> <li>- Learn STEM, Coding, Robotics and more</li> <li>- Virtual Programming at home or in the classroom</li> <li>- Video Episodes, Tutorials, and Stories</li> <li>- Actively participate in helping solve real world water issues</li> </ul>	<ul style="list-style-type: none"> <li>- 11+ Age</li> <li>- Students</li> <li>- Educators</li> <li>- Citizen Scientists</li> <li>- Makers</li> <li>- Regional</li> <li>- National</li> </ul>	<p><a href="http://MakeWater.org">MakeWater.org</a></p> <p>Video Trailer  <a href="https://www.youtube.com/watch?v=nu2wM-886XI">https://www.youtube.com/watch?v=nu2wM-886XI</a></p>

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<p><b>The DoSeum</b></p> 	<p><b>DO It At Home:</b> A collection of asynchronous DoSeum activities that will initially focus on: DIY Activities, Storytime, Questions from Kids, and Family Fitness</p>	<p>Families and educators with learners birth through age 11.</p>	<p><a href="https://www.thedoseum.org/blog">https://www.thedoseum.org/blog</a></p>
<p><b>San Antonio Public Library</b></p> 	<p><b>SAPL DIGITAL LIBRARY CARD</b> Children, teens (and their parents!) can get a temporary SAPL digital card (good for 90 days).</p> <p>-- Full access to SAPL's extensive collection of eBooks, eAudio, and eMagazines</p> <p>-- Full access to all library online databases</p> <p><b>SAPL EBOOK COLLECTION via Libby App (Google &amp; iOS)</b> download thousands of eBooks and eAudio(books) and eMagazines from the SAPL collection --for free - - using your SAPL library card or get an instant digital library card (see above).</p> <p><b>SAPL ONLINE HOME WORK HELP &amp; STUDY GUIDES</b> Online Homework Help is available to students (K – College) from 3pm to midnight, 7 days a week. Live tutoring is available in Math, Science, Social Studies, and Language Arts. Tutoring is available in both English and Spanish.</p> <p>Study guides, worksheets, and practice lessons for K – College level Math,</p>	<p>Children, teens, adults, families!</p>	<p><a href="https://sapl.sat.lib.tx.us/select">https://sapl.sat.lib.tx.us/select</a></p> <p><a href="https://www.mysapl.org/Services/Collections/Digital-Collections">https://www.mysapl.org/Services/Collections/Digital-Collections</a></p> <p><a href="https://guides.mysapl.org/helpnow">https://guides.mysapl.org/helpnow</a></p>



# Digital STEAM Learning Resources

<p><b>San Antonio Public Library (Continued)</b></p>	<p>Science, Social Studies and Language Arts - including STAAR Test preparation is available 24/7.</p>		
<p><b>Communities In Schools of San Antonio</b></p> 	<p>A STEM take-home calendar with 6 weeks of daily activities. Includes online and offline activity charts for PreK, K-2, 3-5, 6-8, and 9-12.</p>	<p>PreK - 12th grade students</p>	<p><a href="http://www.cissa.org/stem">www.cissa.org/stem</a></p>
<p><b>Alamo STEM Ecosystem</b></p> 	<p>A series of videos featuring interviews with STEM professionals about their school and career choices</p>	<p>7th-12th grade students</p>	<p><a href="#">STEM Program 2019</a></p> <p><a href="https://youtu.be/GZ8IJjtEpt0">https://youtu.be/GZ8IJjtEpt0</a></p> <p><a href="https://youtu.be/66YvZ3ADd6U">https://youtu.be/66YvZ3ADd6U</a></p> <p><a href="https://youtu.be/kTOtgsEMZio">https://youtu.be/kTOtgsEMZio</a></p> <p><a href="#">Determination &amp; Perseverance in STEM</a></p> <p><a href="#">WOMEN IN STEM</a></p> <p><a href="https://youtu.be/_0Xr7QaeO5Q">https://youtu.be/_0Xr7QaeO5Q</a></p>
<p><b>Youth Code Jam</b></p> 	<p><b>Bits 'N Bytes Coding Club:</b> Twice weekly coding tutorials with live Q&amp;A with computer programmers.</p> <p><b>Byte-Sized Brain Breaks:</b> Daily family activities for playful learning that spark curiosity through exploration, creativity and creation. Online and offline designed to build computational thinking skills.</p> <p><b>Caring for Community:</b> a two-week lesson plan for young makers designed in</p>	<p>Coding Club: learners of all ages</p> <p>Brain Breaks: families and learners of all ages</p> <p>Caring for Community: K-5 students</p>	<p><a href="http://www.youthcodejam.org/virtual-learning">www.youthcodejam.org/virtual-learning</a></p>





# Digital STEAM Learning Resources

<b>Youth Code Jam (Continued)</b>	collaboration with Promesa Academy, exploring essential community jobs and gratitude.		
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# Digital STEAM Learning Resources

## Beyond San Antonio:

Organization Name	Brief Description	Who It's For	Weblink/ how to access
<b>TIES</b> 	<b>STEM@Home:</b> <ul style="list-style-type: none"> <li>List of online STEM resources</li> </ul>	Families with learners of all ages, online school classrooms, more	<a href="https://stemecosystems.org/covid19-resource-library/">https://stemecosystems.org/covid19-resource-library/</a>
<b>Association of Science and Technology Centers</b> 	<b>Educational Resources:</b> <ul style="list-style-type: none"> <li>About COVID-19</li> <li>About Infectious Disease</li> <li>Online Museum Programming</li> </ul>	Families with learners of all ages	<a href="https://www.astc.org/coronavirus/educationalresources/">https://www.astc.org/coronavirus/educationalresources/</a>
<b>Young Minds Inspired</b>	Peanuts Gang lesson for activities in Language Arts, Social Studies, Math & Science for grades K-8	grades K-8	<a href="http://ymiclassroom.com/lesson-plans/the-peanuts-gang-gallery/?fbclid=IwAR2wlxe7JAgF-tnCHnph4cP1F-WC-glfoLSlJb00AGCA4R1ZXEEV9lpMxkA">http://ymiclassroom.com/lesson-plans/the-peanuts-gang-gallery/?fbclid=IwAR2wlxe7JAgF-tnCHnph4cP1F-WC-glfoLSlJb00AGCA4R1ZXEEV9lpMxkA</a>
<b>NASA's Space Place</b>	Sunday, March 22nd is World Water Day! Since the Earth is "Planet Water", what a perfect day to explore the water around us.	grades 3-6.	<a href="https://spaceplace.nasa.gov/water/en/">https://spaceplace.nasa.gov/water/en/</a>
<b>NASA Space Weather Media Viewer</b>	Live views of the sun in different wavelengths from the Solar Dynamics Observatory (SDO) satellite. Track sunspots and solar storms over time. **Solar Week March 23-27, 2020	General public, potentially students intermediate grades and up.	<a href="https://sunearthday.nasa.gov/spaceweather/">https://sunearthday.nasa.gov/spaceweather/</a>
<b>NASA STEM at Home</b>	A variety of engaging activities in STEM content areas designed for families to complete at home.	Families/students in grades K-4	<a href="https://www.nasa.gov/steam-at-home-for-students-k-4.html">https://www.nasa.gov/steam-at-home-for-students-k-4.html</a>
<b>NASA STEM Lessons From Space</b>	<ul style="list-style-type: none"> <li>•STEMonstration videos of experiments conducted on the iSS</li> <li>•A variety of activities and lesson plans in each STEM discipline</li> </ul>	Each series of lessons vary with targeted student groups K-12	<a href="https://www.nasa.gov/audience/foreducators/steam-on-station/lessons_from_space/index.html">https://www.nasa.gov/audience/foreducators/steam-on-station/lessons_from_space/index.html</a>



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<b>NASA Spot the Station</b>	Times, directions and longevity of opportunities to visually see the international space station in the night sky over San Antonio.	Elementary through adult	<a href="https://spotthestation.nasa.gov/sightings/view.cfm?country=United_States&amp;region=Texas&amp;city=San_Antonio#.XnPtN5NKiL6">https://spotthestation.nasa.gov/sightings/view.cfm?country=United_States&amp;region=Texas&amp;city=San_Antonio#.XnPtN5NKiL6</a>
<b>NASA Wavelength</b>	A NASA Resource Repository with a search engine to locate topic related materials	Varies with topics and resources sought	<a href="https://science.nasa.gov/learners/wavelength">https://science.nasa.gov/learners/wavelength</a>
<b>NASA eClips</b>	A repository of NASA Educator Guides and resources	Varies with topics and resources sought	<a href="https://nasaclips.arc.nasa.gov/resources/guides">https://nasaclips.arc.nasa.gov/resources/guides</a>
<b>NASA Earth Observatory</b>	Amazing imagery, articles and activities designed by the teams working with the satellites that study the Earth from space.	Children ages 9 - 14 yrs	<a href="https://earthobservatory.nasa.gov/blogs/eokids/">https://earthobservatory.nasa.gov/blogs/eokids/</a>
<b>NASA Windows on the Earth</b>	Images of the earth taken by the astronauts from space	Middle grades and older.	<a href="https://www.windowsonearth.org/">https://www.windowsonearth.org/</a>