

## South Fayette Township School District Learning Resources

The South Fayette Township School District has compiled a list of learning resources that may be helpful during this two-week closure based on teacher recommendations. We understand the challenges associated with these new circumstances and these resources are meant to be optional tools for you to use with your children should you decide to. Many of these student resources indicated as a district account are easily available to students by going to ClassLink on their device and then clicking into the learning platform.

### Elementary School (K-2)

Resource	Website/App	Description	District Account
English Language Arts			
<b>Heggerty Lessons</b>	<a href="https://www.wsfcs.k12.nc.us/Page/115249">https://www.wsfcs.k12.nc.us/Page/115249</a>	Here you will find daily phonemic awareness lessons and videos.	
<b>Starfall</b>	<a href="https://www.starfall.com/h/">https://www.starfall.com/h/</a>	This site provides opportunities for children to have fun while learning reading skills through positive reinforcement in a brightly colored environment full of activities, games and songs.	
<b>Library eBooks</b>	<a href="http://sflibrary.southfayette.org/">http://sflibrary.southfayette.org/</a>  <i>Choose Elementary School. On the basic search screen, change material type to eBook. In the "Find" box type in the word "Book" and hit Keyword. The list of books will come up for you.</i>	Here you will find twenty-one eBooks available to read on your computer or iPad on an elementary reading level.	
<b>BookFlix</b> (Must have a public	<a href="https://kids.powerlibrary.org/">https://kids.powerlibrary.org/</a>	Grades K-3: Watch videos and read books about animals, celebrations, nature, music, earth, family, community and	

library card from any public library in Allegheny County)	Choose <i>BookFlix</i> . It will then ask you to enter your public library barcode number	more. It pairs a fiction and nonfiction work on the same topic.	
<b>Kidport- Language Arts</b>	<a href="http://www.kidport.com/GradeK/LanguagesArts/LanguageArts.htm">www.kidport.com/GradeK/LanguagesArts/LanguageArts.htm</a>	Here you will find engaging learning experiences with multiple learning modalities and interactive elements.	
<b>Read Works</b>	<a href="http://www.readworks.org">www.readworks.org</a>	This is a great tool for reading comprehension instruction.	
<b>RAZ Kids</b>	App on Student iPads <a href="http://www.raz-kids.com">www.raz-kids.com</a>  <i>District issued login created by classroom teacher</i>	A great place to go for reading comprehension activities.	Yes
<b>Spelling City</b>	<a href="https://www.spellingcity.com/">https://www.spellingcity.com/</a> <i>Access via Class Link</i>	This site provides various activities for expanding knowledge of vocabulary and spelling words.	Yes
<b>Journeys Reading Book (Grade 2)</b>	<a href="https://www-k6.thinkcentral.com/content/hsp/reading/journeys2014/na/gr2/ese_9780547894508/vol2/launch.html">https://www-k6.thinkcentral.com/content/hsp/reading/journeys2014/na/gr2/ese_9780547894508/vol2/launch.html</a>	This is the online access to the hardback reading book (Volume 2) that we use.	
<b>Brooklyn Library Virtual Story Time</b>	<a href="https://www.bklynlibrary.org/calendar/virtual-storytime-virtual-20200319">https://www.bklynlibrary.org/calendar/virtual-storytime-virtual-20200319</a>	Cozy up for virtual story time brought to you by the Brooklyn Library.	
<b>Math</b>			
<b>Kidport- Math</b>	<a href="https://kidport.com/GradeK/Grad">https://kidport.com/GradeK/Grad</a>	This site is good for engaging learning experiences with	

	<a href="http://eKHome.htm">eKHome.htm</a>	multiple learning modalities and has interactive elements.	
IXL	<a href="https://www.ixl.com/math/kindergarten">https://www.ixl.com/math/kindergarten</a>	IXL is focused on personalized learning. With a comprehensive K-12 curriculum, individualized guidance, and real-time analytics, IXL meets the unique needs of each learner.	Yes
Kindergarten Number Fun - Math Songs on YouTube	<a href="http://www.youtube.com">www.youtube.com</a>	Here you will find: Jack Hartmann Numbers to 20; Harry Kindergarten Numbers to 20; Harry Kindergarten Numbers in the Teens that start with a 1.	
ST Math	<a href="http://stmath.com">stmath.com</a>	This program is visually based; no language. Language is not a barrier. It offers math puzzles to conceptually teach math concepts at their grade level. It normally is quite expensive, but they are opening up their curriculum for free until June 30th. It is for K-8 and high school intervention right now.	
Splash Learn	<a href="https://www.splashlearn.com">https://www.splashlearn.com</a> <i>District issued login created by tech department</i>	Here you will find math exercises that align with our curriculum.	Yes
Xtramath	<a href="https://xtramath.org/#/home/index">https://xtramath.org/#/home/index</a>	This site is focused on developing math fact fluency.	
<b>Science/Social Studies</b>			
Science videos	<a href="https://mysteryscience.com/school-closure-planning">https://mysteryscience.com/school-closure-planning</a>	Choose from many interesting science videos for each grade level.	
PebbleGo Database	iPad App on Classlink	Here you will find information on animals, science, social studies and dinosaurs. There are games, questions of the day, videos, and printable activities.	

**Learning Experiences (all subjects)**

<b>Abc Mouse</b>	<a href="https://www.abcmouse.com/abt/homepage?8a08850bc2=T1198569004.1584385208.3023">https://www.abcmouse.com/abt/homepage?8a08850bc2=T1198569004.1584385208.3023</a>	Here you will find math, reading and science and it's perfect for Kindergarten.	
<b>ABCYA</b>	<a href="http://www.abcya.com">www.abcya.com</a>	Take a look at these educational games for grades PreK through 6 that will keep kids engaged and having fun. Topics include math, reading, typing, just-for-fun logic games.	Yes
<b>TCM Teachers</b>	<a href="https://www.teachercreatedmaterials.com/teachers/free-home-learning/">https://www.teachercreatedmaterials.com/teachers/free-home-learning/</a>	Click on this site to find free learn-at-home resources organized by grade level.	
<b>Khan Academy</b>	<a href="https://www.khanacademy.org">https://www.khanacademy.org</a>	Khan Academy offers practice exercises, instructional videos, and a personalized learning dashboard that empower learners to study at their own pace in and outside of the classroom.	
<b>Education to the Core</b>	<a href="https://educationtothecore.com/send-home-packet">https://educationtothecore.com/send-home-packet</a>	Take a look at the activity packets found on this site.	
<b>PBS Kids (Sign up for daily email)</b>	<a href="https://www.pbs.org/parents/?utm_source=email&amp;utm_medium=internal&amp;utm_content=parents&amp;utm_campaign=parents_2019?utm_source=email&amp;utm_medium=internal&amp;utm_content=parents&amp;utm_campaign=parents_2019">https://www.pbs.org/parents/?utm_source=email&amp;utm_medium=internal&amp;utm_content=parents&amp;utm_campaign=parents_2019?utm_source=email&amp;utm_medium=internal&amp;utm_content=parents&amp;utm_campaign=parents_2019</a>	PBS kids is famous for their learning videos and activities that you can do daily with kids.	
<b>Scholastic - Learn at Home</b>	<a href="http://www.scholastic.com/learnathome">www.scholastic.com/learnathome</a>	The learning journeys are accessible on any device. They are designed to limit the need for printing, and allow students to learn independently or with their families.	

<b>Virtual field trips</b>	<a href="https://docs.google.com/document/d/1SvldgTx9djKO6SjyvPDsoGlkgE3iExmi3qh2KRRku_w/mobilebasic">https://docs.google.com/document/d/1SvldgTx9djKO6SjyvPDsoGlkgE3iExmi3qh2KRRku_w/mobilebasic</a>	Take a look at this site. There are over 30 virtual field trips with links.	
<b>Edhelper.com</b>	<a href="https://tinyurl.com/sezdpq2">https://tinyurl.com/sezdpq2</a>	Here you will find free printables organized by grade level.	
<b>Go Noodle</b>	<a href="https://www.gonoodle.com/">https://www.gonoodle.com/</a>	This site focuses on movement and mindfulness videos created by child development experts.	
<b>Focused Fitness (Cha-Cha-Slide Plank Challenge)</b>	<a href="https://youtu.be/x_YFkVSp34s">https://youtu.be/x_YFkVSp34s</a>	Take this plank challenge to keep your body moving. No equipment is needed and the entire family can join in on the fun.	
<b>STEAM</b>			
<b>Scratch Jr app</b>	iPad app (on student iPads)	This site provides tutorials for students to practice coding concepts and for kids to create their own projects.	
<b>Stop Motion app</b>	iPad app (on student iPads)	Learn to create animations by taking photos and combining them into a movie. A great family activity as well.	
<b>PBS Zoom</b>	<a href="https://www.pbslearningmedia.org/collection/zoom-engineering/">https://www.pbslearningmedia.org/collection/zoom-engineering/</a>	Here you will find STEAM activities to try at home with everyday materials.	
<b>Arts</b>			
<b>Mo Willems-lunch doodles</b>	<a href="https://www.kennedy-center.org/education/mo-willems/">https://www.kennedy-center.org/education/mo-willems/</a>	Here you can Doodle with Kennedy Center Artist in Residence, Mo Willems.	
<b>Multiple Art Sites for Kids</b>	<a href="http://www.kidsites.com/sites-edu/art.htm">http://www.kidsites.com/sites-edu/art.htm</a>	Join this site to try different art techniques and activities.	

<b>National Geographic Kids on Art</b>	<a href="https://www.natgeokids.com/uk/teacher-category/art/">https://www.natgeokids.com/uk/teacher-category/art/</a>	Here you can experience primary sources related to art.	
<b>Improv Games for Kids</b>	<a href="https://www.childfun.com/recommendations/best-improv-games-for-kids/">https://www.childfun.com/recommendations/best-improv-games-for-kids/</a>	Join in to experience acting exercises and games for children for inventive and imaginative play. While it calls for groups of children, family members will enjoy these activities as well.	

### Intermediate School (3-5)

Resource	Website	Description	District Account
English Language Arts			
<b>Follett eBooks</b>	On Classlink, open Follett or open the OPAC from your saved Google bookmark. On the basic search screen, change material type to eBook. In the "Find" box type in the word "Book" and hit Keyword. The list of books will come up for you.	Here you will find 69 eBooks on our Follett OPAC that can be read on your computer.	
<b>ReadTheory</b>	<a href="https://www.readtheory.org">https://www.readtheory.org</a> Students should log in so that their progress is tracked.	This site focuses on online reading activities and adapts to individual ability levels.	
<b>Vocabulary Practice</b>	<a href="https://www.vocabulary.com/log/in/">https://www.vocabulary.com/log/in/</a>	Here you will find different vocabulary lists for all levels.	
<b>Spelling City</b>	<i>Accessible through Classlink</i>	Here students can practice their most current and previous spelling and/or vocabulary words through games and activities.	Yes
<b>ReadWorks</b>	<a href="https://www.readworks.org/">https://www.readworks.org/</a>	This site offers access to articles on a variety of topics for students to read.	
<b>EPIC Books</b>	<a href="https://www.getepic.com/">https://www.getepic.com/</a>	This site gives students access to a variety of books and	

		videos. If your child's teacher has set up an account all you need is to log in as a student and enter the class code. The site is also offering a 30 day free trial. <b>Check with your child's teacher for a class code.</b>	
<b>BookFlix (Must have a public library card from any public library in Allegheny County)</b>	<a href="https://kids.powerlibrary.org/">https://kids.powerlibrary.org/</a> Choose BookFlix. It will then ask you to enter your public library barcode number	Grades K-3: Watch videos and read books about animals, celebrations, nature, music, earth, family, community and more. It pairs a fiction and nonfiction work on the same topic.	
<b>Libby App (Must have a public library card from any public library)</b>	<a href="https://www.overdrive.com/apps/libby/">https://www.overdrive.com/apps/libby/</a>	Here you will find eBooks and audiobooks for student ipads or smartphones.	
<b>Storyline Online</b>	<a href="https://www.storylineonline.net/">https://www.storylineonline.net/</a>	This site is designed as a children's literacy website and provides free storytelling videos and resources. Each video includes an activity guide with lessons for grades K-5.	
<b>Storyworks Jr.</b>	<a href="https://storyworksjr.scholastic.com">https://storyworksjr.scholastic.com</a> *Teacher Class Code Required	This site provides articles of all genres. Texts assist students in developing key reading, writing, speaking, listening, and language domains. Skill practice is provided.	
<b>Math</b>			
<b>IXL</b>	<a href="https://www.ixl.com">IXL.com</a>	Practice math concepts, at any grade level, online.	Yes
<b>Pearson EasyBridge</b>	<i>Available through ClassLink</i>	Here you will find resources and activities connected to our online math textbook.	Yes
<b>First in Math</b>	<i>Accessible through Classlink</i>	This site is a place where students can practice math skills on	Yes



(Grade 4)		a variety of topics.	
XtraMath	<a href="https://xtramath.org">https://xtramath.org</a>	This is a great resource for math fact fluency. It can be accessed via ClassLink. 5th grade math students have an account with their teachers. If you don't have an account, you can make one for free.	
<b>Science/Social Studies</b>			
Mystery Science	<a href="https://mysteryscience.com/school-closure-planning">https://mysteryscience.com/school-closure-planning</a>	Mystery Science has tons of free videos and activities for students to watch and complete. Just choose which grade level you are in and enjoy! These lessons are extremely engaging and relate to content the students' have learned or will learn in the future.	
PebbleGoNext database	On Classlink or at <a href="https://www.pebblegonext.com/">https://www.pebblegonext.com/</a> Should not require log in if you're accessing from Classlink; however, if it does here is the info: Username= sfint Password= school	Here you will find information on states, science, history, and biographies. It also has games, questions of the day, and videos.	
<b>Learning Activities</b>			
PBS Kids (Sign up for daily email)	<a href="https://www.pbs.org/parents/?utm_source=email&amp;utm_medium=internal&amp;utm_content=parents&amp;utm_campaign=parents_2019?utm_source=email&amp;utm_medium=internal&amp;utm_content=parents&amp;utm_campaign=parents_2019">https://www.pbs.org/parents/?utm_source=email&amp;utm_medium=internal&amp;utm_content=parents&amp;utm_campaign=parents_2019?utm_source=email&amp;utm_medium=internal&amp;utm_content=parents&amp;utm_campaign=parents_2019</a>	At this site you will find learning videos and activities to do daily with kids.	

<b>BrainpopJr</b>	<a href="https://jr.brainpop.com/">https://jr.brainpop.com/</a> <i>link at the top of the page for free access</i>	Here students can view videos on a variety of topics and then complete a quiz and use other links to learn more about a topic.	
<b>Virtual Field Trips</b>	<a href="https://adventuresinfamilyhood.com/20-virtual-field-trips-to-take-with-your-kids.html?fbclid=IwAR0QnOwal61NjIWssBh9vmEhedGGY6zuAllboqk9AiGZj0jliM1uvmwEk1s">https://adventuresinfamilyhood.com/20-virtual-field-trips-to-take-with-your-kids.html?fbclid=IwAR0QnOwal61NjIWssBh9vmEhedGGY6zuAllboqk9AiGZj0jliM1uvmwEk1s</a>	Check out these virtual field trips with ideas about activities to do to extend your learning.	
<b>Sheppard Software</b>	<a href="http://www.sheppardsoftware.com/">http://www.sheppardsoftware.com/</a>	This link provides a variety of learning opportunities for many subjects including geography, science, and language arts - as well as fun puzzles. The concepts are learned through tutorials and then practiced in a game format.	
<b>Study Island</b>	<a href="https://www.studyisland.com/">https://www.studyisland.com/</a> <i>Accessible via ClassLink.</i>	If assignments are not made through a teacher, students can still practice by clicking on PA Programs on the left of the screen and selecting the appropriate grade level and subject.	Yes
<b>Time for Kids</b>	<a href="https://www.timeforkids.com/g34/">https://www.timeforkids.com/g34/</a>	At this site you will find a news magazine for students with current event articles. Topics correlate to social studies, science, and language arts.	
<b>Quizizz</b>	<a href="https://quizizz.com/join">https://quizizz.com/join</a>	This free website offers quizzes and activities to help students review concepts found in Math, Language Arts, Social Studies, Science and even STEAM. Simply search the topic that you are looking for on the home page.	
<b>Technology Literacy and STEAM</b>			
<b>Typing.com</b>	<a href="https://www.typing.com/">https://www.typing.com/</a> <i>Accessible via Classlink.</i>	Grades 3-5: Continue practicing your typing skills. Start with the lessons and then play the games for additional practice. Try to accomplish the following by the end of the	Yes

		<p>school year:  3rd - Beginner Lessons  4th - Intermediate Lessons  5th - Advanced Lessons  You can always work ahead!</p>	
<b>Scratch - Computer Programming</b>	<a href="https://scratch.mit.edu/">https://scratch.mit.edu/</a> Accessible via classlink.	<p>Continue practicing your programming skills. This is what we have been working on in tech lit and you can continue at home:  3rd - All About Me Interactive Collage  4th - Digital Storytelling  5th - Video Games  Check out the resources on Google Classroom!</p>	Yes
<b>Tech Lit Family Resource: Common Sense Media</b>	<a href="https://www.commonsensemedia.org/">https://www.commonsensemedia.org/</a>	<p>This is not only a great resource for students, but parents as well. Want to know what media is appropriate for your child? Check out the reviews of apps, movies, video games, and more! There are some great family tips on how to stay safe online and be good digital citizens.</p>	
<b>BlocksCAD</b>	<a href="https://www.blockscad3d.com/">https://www.blockscad3d.com/</a>	<p>BlocksCAD is a web-based design platform that uses blocks-based code (a friendlier version of traditional text code) to create 3D objects. The platform is simple enough for 3rd graders to learn and love, but sophisticated enough to help teach <b>coding and math</b> to 5th grade students. BlocksCAD combines the traditional passion for a Lego project with the modern draw of websites and video games. Students can design and save their projects to possibly be 3D printed in the STEAM lab!</p>	Yes
<b>Breakout EDU - digital games</b>	<a href="https://platform.breakoutedu.com/game/play/3-2-1-blastoff-127522-8IITAB1JIA">https://platform.breakoutedu.com/game/play/3-2-1-blastoff-127522-8IITAB1JIA</a> - Moon Cycles	<p>Breakout EDU digital games require students to use critical thinking, collaboration, creativity and communication. Students have had prior experience “breaking out” and will have fun learning how to break out of 3 more digital games!</p>	

	<a href="https://platform.breakoutedu.com/game/play/going-buggy-78">https://platform.breakoutedu.com/game/play/going-buggy-78</a> - Going Buggy  <a href="https://platform.breakoutedu.com/game/play/silly-shamrocks-78">https://platform.breakoutedu.com/game/play/silly-shamrocks-78</a> - Silly Shamrocks		
<b>Arts</b>			
<b>Mo Willems-lunch doodles</b>	<a href="https://www.kennedy-center.org/education/mo-willems/">https://www.kennedy-center.org/education/mo-willems/</a>	Doodle with Kennedy Center Artist in Residence, Mo Willems.	
<b>Multiple Art Sites for Kids</b>	<a href="http://www.kidsites.com/sites-edu/art.htm">http://www.kidsites.com/sites-edu/art.htm</a>	Join this site to try different art techniques and activities.	
<b>National Geographic Kids on Art</b>	<a href="https://www.natgeokids.com/uk/teacher-category/art/">https://www.natgeokids.com/uk/teacher-category/art/</a>	Here you can experience primary sources related to art.	
<b>MusicTheory.Net</b>	<a href="http://www.musictheory.net">www.musictheory.net</a>	Here you will find free online lessons and exercises in music.	
<b>SmartMusic</b>	<a href="https://www.smartmusic.com/">https://www.smartmusic.com/</a>	This site focuses on interactive practice tools and music resources. They are offering free access through June 30th to COVID 19 affected schools. Strings students will be sent a code to sign-in.	
<b>Essential Elements Interactive (Strings)</b>	<a href="http://www.essentialelementsinteractive.com/">http://www.essentialelementsinteractive.com/</a>	Here you will find online recordings, sheet music, and instructional videos for string instruments. Students will need to enter their book code to access the site.	
<b>Monologues for Kids</b>	<a href="https://www.dramanotebook.com/monologues-kids/">https://www.dramanotebook.com/monologues-kids/</a>	This is a site of student created monologues. Students can practice empathy and characterization by learning and	

		acting as the characters.	
<b>Improvisational Games for Kids</b>	<a href="https://www.childfun.com/recommendations/best-improv-games-for-kids/">https://www.childfun.com/recommendations/best-improv-games-for-kids/</a>	Join this site to engage in acting exercises and games for children for inventive and imaginative play. While it calls for groups of children, family members will enjoy these activities as well.	

### Middle School (6-8)

Resource	Website	Description	District Account
English Language Arts			
20 Days of Learning: Scholastic	<a href="https://classroommagazines.scholastic.com/support/learnathome/grades-6-12.html">https://classroommagazines.scholastic.com/support/learnathome/grades-6-12.html</a>	This site has a variety of articles, debates, and stories.	
6th Grade Language Arts	<a href="https://www.ixl.com/ela/grade-6">https://www.ixl.com/ela/grade-6</a>  <a href="https://www.commonlit.org/en">https://www.commonlit.org/en</a>  <a href="https://classroommagazines.scholastic.com/support/learnathome/grades-6-12.html">https://classroommagazines.scholastic.com/support/learnathome/grades-6-12.html</a>	<p>You can complete IXL practice for any of the 6th grade topics in Reading, Writing, Vocabulary, and Grammar.</p> <p>You can sign up for a free account on Commonlit.org and search for 6th grade level reading passages (fiction, informational, poetry) with questions you can answer).</p> <p>The Scholastic website has lots of great activities for students to learn at home.</p>	Yes
Creative writing development	<a href="https://ywp.nanowrimo.org/">https://ywp.nanowrimo.org/</a>	Here you will find a free, online writers space that encourages student writers to develop their own fiction novels. Parents can sign their children up for FREE.	
ReadWorks-reading comprehension practice	<a href="https://www.readworks.org/">https://www.readworks.org/</a>	At this site you will find text for K-12 students to practice comprehension skills	
IXL for ELA	<a href="https://www.ixl.com/ela/">https://www.ixl.com/ela/</a>	This site covers various topics by grade level for writing, literature, and grammar skills.	Yes

Grammar Bytes	<a href="https://www.chompchomp.com/menu.htm">https://www.chompchomp.com/menu.htm</a>	This grammar resource site includes links to various grammar rules, PowerPoint instructional materials, practice exercises, and YouTube video tutorials.	
Allegheny County Library Association's Overdrive	<a href="https://acla.overdrive.com/">https://acla.overdrive.com/</a>	Here you will find eBooks and audiobooks. <i>Must have a yellow public library card to use this site.</i>	
<b>Math</b>			
6th Grade Math Functions/Pre Algebra	<a href="https://connected.mcgraw-hill.com/connected/login.do">https://connected.mcgraw-hill.com/connected/login.do</a>	Use ConnectEd to take self check quizzes and to practice chapters 1-11 topics. The students have this bookmarked on their computers.	
6th Grade Math Functions/Pre Algebra	<a href="http://www.ixl.com">www.ixl.com</a>	When you enter the site click on learning. Go to mathematics. Go to Grade 6. Everything previously taught can be practiced. When questions are answered incorrectly, scroll down and an explanation is provided to show students how to correctly solve. The students have this bookmarked on their computers.	Yes
7th Grade Math Pre-Algebra & Accelerated Algebra 1	<a href="https://my.mheducation.com/login?logout=true">https://my.mheducation.com/login?logout=true</a>	Use ConnectEd.com to take Self-Check Quizzes and to practice all topics learned thus far. The students have this bookmarked on their computers and their usernames and passwords are saved in their Google accounts.	
7th Grade Math Pre-Algebra & Accelerated Algebra 1	<a href="http://www.ixl.com">www.ixl.com</a>	Click on "Learning." Go to "Mathematics." Go to Grade 7 or Algebra 1. Everything previously taught can be practiced. When questions are answered incorrectly, scroll down and an explanation is provided to show students how to correctly solve. The students have this bookmarked on their computers and	Yes

		<p>their usernames and passwords are saved in their Google accounts.</p> <p>Also, click on “Diagnostic.” Continue the continuous diagnostic of all 7th grade skills.</p>	
<p><b>8th Grade Algebra I</b> - <b>IXL</b></p>	<p><a href="https://www.ixl.com/math/grade-8">https://www.ixl.com/math/grade-8</a> *available through ClassLink</p>	<p>Use IXL to practice past topics such as data, statistics, and probability or linear equations. You may also choose to look ahead to a future topic such as Monomials and Polynomials. All topics can be accessed in either the “8th Grade” or the “Algebra I” tab.</p>	
<p><b>8th Grade Algebra I</b> - <b>Online Textbook</b></p>	<p><a href="https://connected.mcgraw-hill.com/connected/login.do">https://connected.mcgraw-hill.com/connected/login.do</a></p>	<p>Login to your online Algebra textbook on ConnectEd to review example problems in the book, complete practice exercises and use self-check quizzes to check your understanding. Look at Chapter 7 (Exponents and Exponential Functions) for a preview of an upcoming topic.</p>	
<p><b>8th Grade Algebra I</b> - <b>Khan Academy</b></p>	<p><a href="https://www.khanacademy.org/math/algebra">https://www.khanacademy.org/math/algebra</a> And <a href="https://www.khanacademy.org/math/cc-eighth-grade-math">https://www.khanacademy.org/math/cc-eighth-grade-math</a></p>	<p>Khan Academy has instructional videos that explain concepts and solution methods as well as self-checking practice problems that go along with each topic.</p>	
<p><b>8th Grade Honors Geometry - Online Textbook</b></p>	<p><a href="https://my.hrw.com/">https://my.hrw.com/</a></p>	<p>Login to your online Geometry textbook to review lessons and example problems, to find and complete practice exercises, and to use other available online resources such as chapter review games, study guides, problem solving workshops, and interactive practice quizzes.</p>	
<p><b>8th Grade Honors Geometry - IXL</b></p>	<p><a href="https://www.ixl.com/math/">https://www.ixl.com/math/</a></p>	<p>Use IXL (available through ClassLink) to practice past topics such as logic, lines and angles, triangles and congruence, and transformations, or to look ahead to a future topic such as Trigonometry or circle properties. You might also choose to</p>	



		review more general 8th grade or Algebra topics, such as work with linear functions, systems of equations, and exponent properties. All topics can be accessed in either the “8th Grade,” the “Algebra I,” or the “Geometry” tabs.	
<b>8th Grade Honors Geometry - Khan Academy</b>	<a href="https://www.khanacademy.org/math/cc-eighth-grade-math">https://www.khanacademy.org/math/cc-eighth-grade-math</a> <a href="https://www.khanacademy.org/math/basic-geo">https://www.khanacademy.org/math/basic-geo</a> <a href="https://www.khanacademy.org/math/geometry">https://www.khanacademy.org/math/geometry</a> <a href="https://www.khanacademy.org/math/geometry-home">https://www.khanacademy.org/math/geometry-home</a>	Khan Academy has instructional videos that explain concepts and solution methods as well as self-checking practice problems that go along with each topic. In the links provided, you can explore general 8th grade math topics, basic geometry topics, and more advanced geometry topics.	
<b>Arts</b>			
<b>Sight-Reading Factory</b>	<a href="https://www.sightreadingfactory.com/">https://www.sightreadingfactory.com/</a>	This is an online practice tool for instrumental music. Use the following student code from your teacher to access a free account available until 6/30/20: Mrs. Tupper (Orchestra) - uvxcsv	
<b>MusicTheory.Net</b>	<a href="http://www.musictheory.net">www.musictheory.net</a>	On this site you'll find free online lessons and exercises in music.	
<b>SmartMusic</b>	<a href="https://www.smartmusic.com/">https://www.smartmusic.com/</a>	This is an interactive practice tool and music resource. Use the following class code to join your class: South Fayette Middle School Orchestra - VDV6A-7NUUU	
<b>Rhythm Trainer</b>	<a href="http://www.therhythmtrainer.com/">http://www.therhythmtrainer.com/</a>	This site includes rhythmic dictation exercises.	

<p><b>Art Activities, Art Projects and Art Games</b></p>	<p><a href="https://www.incredibleart.org/inks/artgames.html">https://www.incredibleart.org/inks/artgames.html</a></p>	<p>This page a comprehensive list of <b>art games, art activities and ideas</b>. Learn <b>art history while playing</b> detective ... <b>Art Just for Kids</b> - IAD's <b>link</b> to <b>art appreciation - art history - museum "trips"</b> - Online. games and <b>projects</b> - fun things ... <b>The Color Game</b> - IAD's lesson on color at the middle <b>school</b> level.</p>	
<p><b>Social Studies</b></p>			
<p><b>TIME for Kids</b></p>	<p><a href="https://www.timeforkids.com/g56/">https://www.timeforkids.com/g56/</a></p>	<p>This site includes various news and current event articles.</p>	
<p><b><u>Grade 7: IXL for History 7</u></b></p>	<p><a href="http://www.ixl.com">www.ixl.com</a></p>	<p>Click on "Learning." Go to "Social Studies." Go to <b>Grade 7</b> and practice the following skills: <b>BB.6 &amp; KK.1,2,3</b>. Go to <b>Grade 8</b> and practice the following skills: <b>I.6 &amp; J.1, 2, 3, 4</b>. The students have this bookmarked on their computers and their usernames and passwords are saved in their Google accounts.</p>	<p>Yes</p>
<p><b><u>Grade 7: Kids Discover for History 7</u></b></p>	<p><a href="https://online.kidsdiscover.com/home">https://online.kidsdiscover.com/home</a></p>	<p>Click on "Discover Map". Choose any articles to read in either <i>Historical Figures</i> or <i>American History</i>. After reading an article, take the Quick Quiz (if activated) to see what you've learned. The students have this bookmarked on their computers and their usernames and passwords are saved in their Google accounts.</p>	
<p><b><u>Grade 7: Quizizz review games for History 7</u></b></p>	<p><a href="https://quizizz.com/join?gc=008247">https://quizizz.com/join?gc=008247</a> <a href="https://quizizz.com/join?gc=700925">https://quizizz.com/join?gc=700925</a> <a href="https://quizizz.com/join?gc=48">https://quizizz.com/join?gc=48</a></p>	<p>Each of these links will take you to a different review game to play.</p>	

	<a href="#">7709</a>		
<b>Grade 7: Quizdini review games for History 7</b>	<a href="http://www.quizdini.com/game/quiz/12297">http://www.quizdini.com/game/quiz/12297</a> <a href="http://www.quizdini.com/game/quiz/12302">http://www.quizdini.com/game/quiz/12302</a> <a href="http://www.quizdini.com/game/quiz/12309">http://www.quizdini.com/game/quiz/12309</a> <a href="http://www.quizdini.com/game/quiz/12298">http://www.quizdini.com/game/quiz/12298</a> <a href="http://www.quizdini.com/game/quiz/12506">http://www.quizdini.com/game/quiz/12506</a>	Each of these links will take you to a different review game to play.	
<b>Grade 7: Quizlet review games for History 7</b>	<a href="https://quizlet.com/_69v1gt?x=1jqt&amp;i=lgbo">https://quizlet.com/_69v1gt?x=1jqt&amp;i=lgbo</a> <a href="https://quizlet.com/_62vu7l?x=1jqt&amp;i=lgbo">https://quizlet.com/_62vu7l?x=1jqt&amp;i=lgbo</a> <a href="https://quizlet.com/_66mns4?x=1jqt&amp;i=lgbo">https://quizlet.com/_66mns4?x=1jqt&amp;i=lgbo</a> <a href="https://quizlet.com/_3nggm8?x=1jqt&amp;i=lgbo">https://quizlet.com/_3nggm8?x=1jqt&amp;i=lgbo</a> <a href="https://quizlet.com/_3ngll0?x=1jqt&amp;i=lgbo">https://quizlet.com/_3ngll0?x=1jqt&amp;i=lgbo</a> <a href="https://quizlet.com/_57lhyv?x=1jqt&amp;i=lgbo">https://quizlet.com/_57lhyv?x=1jqt&amp;i=lgbo</a>	Each of these links will take you to a different review game to play.	
<b>8th Grade U.S. History</b>	<a href="https://wqed.pbslearningmedia.org/subjects/social-studies/us-history/civil-war-and-reconstruction-1850-1877/reconstruction/#.XmZrKhKg2w">https://wqed.pbslearningmedia.org/subjects/social-studies/us-history/civil-war-and-reconstruction-1850-1877/reconstruction/#.XmZrKhKg2w</a>	This link will directly connect you to the U.S. History topic of RECONSTRUCTION - the time period that followed the Civil War.	
<b>Science</b>			

Cells, Cell Division- Mitosis and Meiosis (7th grade)	<a href="https://www.cellsalive.com/">https://www.cellsalive.com/</a>	On this site you'll find interactive diagrams, games, and more. <i>*includes review and new content</i>	
Ted Ed (7th grade)	<a href="https://ed.ted.com/">https://ed.ted.com/</a>	This will provide access to a wide range of informational videos- topics include: cells, cell division, genetics. <i>*includes review and new content</i>	
Heredity and Genetics/Punnett Squares (7th grade)	<a href="http://www.glencoe.com/sites/common_assets/science/virtual_labs/E09/E09.html">http://www.glencoe.com/sites/common_assets/science/virtual_labs/E09/E09.html</a>	This site includes interactive punnett square practice problems <i>*new content</i>	
Heredity and Genetics (7th grade)	<a href="http://www.dnaftb.org/1/">http://www.dnaftb.org/1/</a> ; <a href="http://www.sonic.net/~nbs/projects/anthro201/">http://www.sonic.net/~nbs/projects/anthro201/</a>	This site has informational paragraphs, questions etc. pertaining to Mendel's experiments, genetic traits, etc. <i>*new content</i>	
Cells and Cell Division (7th grade)	<a href="https://biomanbio.com/GamesandLabs_old/Genegames/genetics.html">https://biomanbio.com/GamesandLabs_old/Genegames/genetics.html</a>	This site includes interactive games pertaining to meiosis, genetics, etc. <i>*includes review and new content</i>	
Khan Academy (7th grade )	<a href="https://www.khanacademy.org/science/biology/classical-genetics/mendelian--genetics/e/punnett-squares">https://www.khanacademy.org/science/biology/classical-genetics/mendelian--genetics/e/punnett-squares</a>	Khan Academy has videos on how to complete punnett squares, practice problems are included throughout the website. Please click on the various links provided. <i>*new content</i>	
Periodic Table of Elements	<a href="https://education.jlab.org/itselemental/">https://education.jlab.org/itselemental/</a>	This is a website with games and information to learn about the periodic table.	
8th Grade Science	<a href="https://phet.colorado.edu/en/simulation/energy-skate-park-basics">https://phet.colorado.edu/en/simulation/energy-skate-park-basics</a>	PhET-online simulations are used to develop understanding in the areas of forces and motion.	

	<a href="https://phet.colorado.edu/en/simulation/legacy/energy-skate-park">https://phet.colorado.edu/en/simulation/legacy/energy-skate-park</a>  <a href="https://phet.colorado.edu/en/simulation/legacy/forces-and-motion">https://phet.colorado.edu/en/simulation/legacy/forces-and-motion</a>  <a href="https://phet.colorado.edu/en/simulation/forces-and-motion-basics">https://phet.colorado.edu/en/simulation/forces-and-motion-basics</a>		
<b>Social and Emotional Learning</b>			
<b>CharacterStrong</b>	<a href="http://www.characterstrong.com/free-resources">www.characterstrong.com/free-resources</a>	CharacterStrong is a curriculum that teaches kindness, resilience, and SEL skills.	
<b>STEAM, Technology and Computer Science</b>			
<b>Digital Compass</b>	<a href="https://www.digitalcompass.org/game/index.html">https://www.digitalcompass.org/game/index.html</a>	This site teaches digital citizenship for grades 6-8.	
<b>Future Goals (Everfi)</b>	<a href="http://www.everfi.com/login">www.everfi.com/login</a>	This relates to STEAM, Math, and Science. Registration code: 4a7ee471. It shows how math and science concepts relate to Hockey.	
<b>Python Programming Tutorials</b>	<a href="https://pythonprogramming.net/introduction-to-python-programming/">https://pythonprogramming.net/introduction-to-python-programming/</a>	Short videos that explain basic python programming concepts.	
<b>CodeCombat</b>	<a href="https://codecombat.com/">https://codecombat.com/</a>	CodeCombat is a game-based computer science program where students type real code and see their characters react	

		in real time. Programming languages include JavaScript and Python.	
<b>MIT App Inventor</b>	<a href="https://appinventor.mit.edu/">https://appinventor.mit.edu/</a>	Students can design and program apps that can be tested using an Android device or you may download an emulator. Tons of tutorials available on the website.	
<b>The Ruler Game</b>	<a href="https://www.rulergame.net/">https://www.rulergame.net/</a>	This website is a game to teach students how to accurately measure up to 1/64th of an inch.	
<b>PBS: Building Big</b>	<a href="http://www.pbs.org/wgbh/buildingbig/">http://www.pbs.org/wgbh/buildingbig/</a>	This interactive website allows students to learn how to build bridges, domes, skyscrapers, dams, and tunnels. They will also learn about the forces that act upon these structures.	
<b>ISTE Resources</b>	<a href="https://sites.google.com/view/iste17stempln/covid19-resources">https://sites.google.com/view/iste17stempln/covid19-resources</a>	ISTE's website offers various STEAM activities and resources that parents can work on with students. This page was created specifically for the COVID 19 school closures.	
<b>World Language</b>			
<b>Duolingo</b>	<a href="https://www.duolingo.com">https://www.duolingo.com</a>	This is a game-like interface for practicing German, French and Spanish (and other languages) which can assist with reading, writing, listening and speaking	
<b>Frenchpod Germanpod Spanishpod</b>	<a href="https://www.frenchpod101.com">https://www.frenchpod101.com</a> <a href="https://www.germanpod101.com">https://www.germanpod101.com</a> <a href="https://www.spanishpod101.com">https://www.spanishpod101.com</a>	Free accounts may be created - Students can listen to podcasts, and can opt to receive the Word of the Day in each language.	
<b>News in slow french</b>	<a href="https://www.newsinslowfrench.com">https://www.newsinslowfrench.com</a>	This is a weekly podcast of current news delivered by two newscasters in conversational style that can be slowed down to half speed. Students also see the annotated text at the	

		same time and can click on terms as flash cards	
<b>Commeunefrancaise.com</b> (French)	<a href="https://www.communefrancaise.com">https://www.communefrancaise.com</a>	Here you will find five to ten phrases that center on a conversation topic in french, pronounced multiple times and explained with cultural links.	
<b>Il etait une fois</b> (French)	<a href="https://www.iletaitunefois.com">https://www.iletaitunefois.com</a>	This site includes story links for students which can be read or listened to .	
<b>Loyalbooks.com</b> (French)	<a href="https://www.loyalbooks.com/language/French">https://www.loyalbooks.com/language/French</a>	This site provides story links for students - may be downloaded.	
<b>Apprendre.tv5monde.com</b> (French)	<a href="https://www.apprendre.tv5monde.com">https://www.apprendre.tv5monde.com</a>	Here students can watch videos, click on answers to comprehension questions, listen to music and stories.	
<b>Lepointdufle</b> (French)	<a href="https://www.lepointdufle.net">https://www.lepointdufle.net</a>	This includes many, many exercises, topics and activities for learning French.	
<b>Spanish Resources</b>	<a href="https://radiolingua.com/category/coffee-break-spanish/">https://radiolingua.com/category/coffee-break-spanish/</a>  <a href="https://www.123teachme.com/learn-spanish/beginner">https://www.123teachme.com/learn-spanish/beginner</a>  <a href="https://studyspanish.com/">https://studyspanish.com/</a>	<p>Spanish coffee break includes free podcasts (try any of the 1.0 versions).</p> <p>This includes online Spanish lessons, including free, printable worksheets (note that it is important to work with “beginner” material for all middle-level grades and present tense verbs only for 7th and 8th) grades).</p> <p>Study Spanish includes online lessons (use the free material provided- no need to purchase anything). Also, try Duolingo (link listed above under World Languages). You can “test” into your level. It is also free and has very helpful beginner lessons.</p>	

### High School (9-12)

Resource	Website	Description	District Account
<b>Art</b>			
<b>Art</b>	<a href="https://people.com/travel/stuck-at-home-these-12-famous-museums-offer-virtual-tours-you-can-take-on-your-couch/?utm_source=facebook.com&amp;utm_medium=social&amp;utm_campaign=social-share-article&amp;utm_content=20200315&amp;utm_term=7728056">https://people.com/travel/stuck-at-home-these-12-famous-museums-offer-virtual-tours-you-can-take-on-your-couch/?utm_source=facebook.com&amp;utm_medium=social&amp;utm_campaign=social-share-article&amp;utm_content=20200315&amp;utm_term=7728056</a>	This site provides access to twelve Art Museums around the world through virtual tours.	
<b>English</b>			
<b>Free Rice</b>	<a href="http://freerice.com">freerice.com</a>	Free Rice is a vocabulary-building website that feeds hungry people around the world.	
<b>HippoCampus</b>	<a href="https://hippocampus.org/HippoCampus/English;jsessionid=10E77AE3DC7096E217DF2C90ED08BA76">https://hippocampus.org/HippoCampus/English;jsessionid=10E77AE3DC7096E217DF2C90ED08BA76</a>	This source provides short lessons tied to writing, grammar, analysis, etc. Good for high schools English students (applicable to other subjects as well)	
<b>Overdrive-Carnegie Library Teen Section</b>	<a href="https://acla.overdrive.com/library/teens">https://acla.overdrive.com/library/teens</a>	This is the Carnegie Library e-books and audiobooks collection. You must have an Allegheny Public Library Card to access resources	
<b>Math</b>			



Khan Academy - Math	<a href="https://www.khanacademy.org/math">https://www.khanacademy.org/math</a>	Khan Academy math includes tutorials, practice problems, and practice assessments on a variety of different topics in mathematics.	
Online practice in a variety of different subjects for a variety of different grades	<a href="https://www.thatquiz.org/">https://www.thatquiz.org/</a>	<p><b>Integers</b>- Arithmetic, Inequality, Averages, Exponents, Factors, Algebra, and Calculus</p> <p><b>Fractions</b>- Identify, Arithmetic, Inequality, Averages, Simplify, Probability</p> <p><b>Concepts</b>- Time, Money, Measure, Place value, Graphs, Sets</p> <p><b>Geometry</b>- Triangles, Shapes, Geometry, Points, Angles, Number line, Trigonometry</p> <p><b>Vocabulary</b>- English, French, Spanish, German</p> <p><b>Geography</b>- Americas, Africa, Europe, Asia</p> <p><b>Science</b>- Cells, Anatomy, Elements, Conversion</p>	
Kuta Software Math Practice	<a href="http://www.kutasoftware.com">www.kutasoftware.com</a>	This site provides free math worksheets with answers for Pre-Algebra, Algebra 1, Algebra 2, Geometry, PreCalculus, and Calculus.	
Calculus Practice	<a href="https://www.thatquiz.org/tq-h/math/calculus/">https://www.thatquiz.org/tq-h/math/calculus/</a>	This site includes online Calculus practice where the students can practice derivatives, integrals, and extrema.	
AP Calculus	<a href="https://www.youtube.com/advancedplacement">youtube.com/advancedplacement</a>	There will be teachers through the College Board posting instruction on the last topics typically covered in AP Calculus beginning in early April.	
AP Calculus	<a href="https://apcentral.collegeboard.org">Apcentral.collegeboard.org</a>	The college board provides practice exam problems with solutions.	
Statistics	<a href="https://www.khanacademy.org/math/statistics-probability">https://www.khanacademy.org/math/statistics-probability</a>	This site provides practice on z-scores, confidence intervals, significance/hypothesis testing, combinations & permutations.	

<b>Honors Algebra II - Exponential &amp; Logarithmic Functions</b>	<a href="#">Intro to Exponential Functions (Khan Academy)</a> <a href="#">Exponential Modeling (Khan Academy)</a> <a href="#">Logarithms (Khan Academy)</a>	This site provides videos, practice, and quizzes for students.	
<b>Geometry - Right Triangles and Trigonometry.</b>	<a href="#">Right Triangles and Trigonometry (Khan Academy)</a>	This site provides videos, practice, and quizzes for students.	
<b>Deltamath</b>	<a href="https://www.deltamath.com/">https://www.deltamath.com/</a>	<b>Delta Math</b> is a free program that allows teachers to combine modules of lessons for their students to complete. Once teachers set up their account and create their classes, they can provide students with a code to join their class. Students can work through modules at their own pace.	
<b>Science</b>			
<b>Bioman Biology</b>	<a href="https://www.biomanbio.com/">https://www.biomanbio.com/</a>	This site includes biology games and virtual labs (good for review of keystone biology concepts and a preview of what is next).	
<b>Bozeman Science</b>	<a href="http://www.bozemanscience.com/">http://www.bozemanscience.com/</a>	Run by a science teacher, this website hosts videos that summarize much of the material that is covered on various science content AP exams.	
<b>NOVA Labs</b>	<a href="https://www.pbs.org/wgbh/nova/labs/">https://www.pbs.org/wgbh/nova/labs/</a>	NOVA Labs engages students in online games and interactives that foster scientific exploration. Students can conduct investigations by visualizing, analyzing, and sharing the same data that scientists use.	
<b>Learn Genetics</b>	<a href="https://learn.genetics.utah.edu/">https://learn.genetics.utah.edu/</a>	The online learning center is for students to explore	

		concepts of genetics, evolution, human health, cell biology, plants, neuroscience, ecology, and other science tools.	
<b>PhET</b>	<a href="https://phet.colorado.edu/">https://phet.colorado.edu/</a>	This website contains various simulations to help visualize scientific concepts in a “real” way. Topics are divided by content area, and the material is meant to supplement labs that we do in school.	
<b>Chemistry Mahjong</b>	<a href="https://www2.stetson.edu/mahjongchem/">https://www2.stetson.edu/mahjongchem/</a>	Mahjong games is for practice with oxidation numbers, naming polyatomic ions, electron configuration, identifying weak and strong acids and bases, matching isoelectronic ions, and matching elements with symbols.	
<b>AP Physics</b>	<a href="apcentral.collegeboard.org">apcentral.collegeboard.org</a>	With the College Board you can practice free-response questions with solutions for past AP Physics exams.	
<b>Khan Academy. Physics Honors - Introduction to Simple Harmonic Motion</b>	<a href="https://www.khanacademy.org/science/ap-physics-1/simple-harmonic-motion-ap/introduction-to-simple-harmonic-motion-ap/a/introduction-to-simple-harmonic-motion-review">https://www.khanacademy.org/science/ap-physics-1/simple-harmonic-motion-ap/introduction-to-simple-harmonic-motion-ap/a/introduction-to-simple-harmonic-motion-review</a>	This Khan Academy page includes an introduction to the vocabulary, concepts, and problem solving methods in simple harmonic motion.	
<b>CRASH COURSE on YouTube. Astronomy - For Exploratory Science</b>	<a href="https://www.youtube.com/watch?v=OrHUDWjR5gg&amp;list=PL8dPuuaLjXtPAJr1ysd5yGlyiSFuh0mLL">https://www.youtube.com/watch?v=OrHUDWjR5gg&amp;list=PL8dPuuaLjXtPAJr1ysd5yGlyiSFuh0mLL</a>	Crash Course 47 episode course in Astronomy: students in Mr. Isaac’s Exploratory Science can extend learning in astronomy for the end of the year.	
<b>Social Studies</b>			

<b>iCivics</b>	<a href="https://www.icivics.org/">https://www.icivics.org/</a>	iCivics has educational games that promote civic engagement.	
<b>Annenberg Classroom</b>  (from The Annenberg Public Policy Center at the University of Pennsylvania)	<a href="https://www.annenbergclassroom.org/explore/">https://www.annenbergclassroom.org/explore/</a>	Annenberg classroom includes articles, games, videos and other materials designed to enhance student understanding of the Constitution.	
<b>The Choices Program from Brown University: Teaching with the News</b>	<a href="https://www.choices.edu/teaching-with-the-news/">https://www.choices.edu/teaching-with-the-news/</a>	The current events "Teaching with the News" section is free. The history curriculum is for a fee.	
<b>Seterra</b>	<a href="https://www.seterra.com/">https://www.seterra.com/</a>	Seterra includes map quiz games that make learning geography fun.	
<b>Social Studies resources</b>	<a href="https://drive.google.com/file/d/1ycHUHA-8bUR8TRH9XAMV4j1RRMlf4fmp/viaw?fbclid=IwAR3MMI63GPej3ilQN1gF6FXkBWBRIe9WTcEgXrZFMU0FKKIJsdbOgxKnE9k">https://drive.google.com/file/d/1ycHUHA-8bUR8TRH9XAMV4j1RRMlf4fmp/viaw?fbclid=IwAR3MMI63GPej3ilQN1gF6FXkBWBRIe9WTcEgXrZFMU0FKKIJsdbOgxKnE9k</a>	This folder includes K-12 resources for Social Studies from the Ohio Council for Social Studies.	
<b>PBS Newshour Extra</b>	<a href="https://www.pbs.org/newshour/extra/2020/03/pbs-newshour-classroom-resources-for-students/">https://www.pbs.org/newshour/extra/2020/03/pbs-newshour-classroom-resources-for-students/</a>	These are resources for NewsHour shows.	
<b>We the Economy - Videos</b>	<a href="https://wetheeconomy.com/">https://wetheeconomy.com/</a>	This site includes 20 short films, each helmed by an acclaimed filmmaker with their own creative vision.	

		The series aims to drive awareness and establish a better understanding of the U.S. economy. Videos are told through animation, comedy, musical, non-fiction, and scripted films.	
<b>Economics - Business Organization &amp; Market Structures (Competition)</b>	<a href="https://tinyurl.com/v62c7oc">https://tinyurl.com/v62c7oc</a>	This resource examines the ways in which business is organized, while considering the advantages and disadvantages of each. It also identifies various market structures in the US and government efforts to promote and maintain competition.	
<b>Economics - Key Economic Concepts</b>	<a href="https://www.econlib.org/library/Topics/HighSchool/HighSchoolTopics.html">https://www.econlib.org/library/Topics/HighSchool/HighSchoolTopics.html</a>	These are descriptions of highly relevant economic concepts as chosen by the Council for Economic Education.	
<b>Economics USA Videos</b>	<a href="https://www.learner.org/series/economics-ua-21st-century-edition/">https://www.learner.org/series/economics-ua-21st-century-edition/</a>	This is a video instructional series on micro- and macroeconomics concepts. The videos explore economic history, theory, and practice through case studies and interviews with Nobel-prize winning and major economists.	
<b>Crash Course Gov't &amp; Politics</b>	<a href="https://www.youtube.com/playlist?list=PL8dPuuaLjXtOfse2ncvffeelTrqvhrz8H">https://www.youtube.com/playlist?list=PL8dPuuaLjXtOfse2ncvffeelTrqvhrz8H</a>	On this site you'll find instructional videos on concepts taught in Civics and application of concepts in the real world.	
<b>World Cultures CIA Factbook</b>	<a href="https://www.cia.gov/library/publications/the-world-factbook/">https://www.cia.gov/library/publications/the-world-factbook/</a>	The World Factbook is a reference resource produced by the Central Intelligence Agency with almanac-style information about the countries of the world.	
<b>Learning Activities (all subjects)</b>			
<b>Smithsonian Learning Lab</b>	<a href="https://learninglab.si.edu/">https://learninglab.si.edu/</a>	This is a collection of digital resources from 19 museums from the Smithsonian.	

CrashCourse	<a href="https://www.youtube.com/user/crashcourse">https://www.youtube.com/user/crashcourse</a>	This is a collection of educational and entertaining videos covering topics from math, to science, to philosophy, to history.	
Khan Academy	<a href="https://www.youtube.com/user/khanacademy">https://www.youtube.com/user/khanacademy</a>	This is a series of brief, educational videos covering a wide array of disciplines, including math, science, engineering, history, art, and economics.	
USA Test Prep	<a href="https://www.usatestprep.com/member-login">https://www.usatestprep.com/member-login</a>	<p><b>Account ID:</b> Lions42 (be sure to click outside of the box for a green check mark)</p> <p><b>Username &amp; Password:</b> credentials used to log into the computer</p> <p>This website is a familiar resource used among students to review academic concepts in preparation for the Keystone exams (biology, literature, and algebra).</p>	Yes
TEDED	<a href="https://ed.ted.com/">https://ed.ted.com/</a>	This site has TED talks with an educational focus.	
Digital Public Library of America	<a href="https://dp.la/exhibitions">https://dp.la/exhibitions</a>		
<b>Music</b>			
Sight-Reading Factory	<a href="https://www.sightreadingfactory.com/">https://www.sightreadingfactory.com/</a>	This is an online practice tool for instrumental music. Use the following code from your teacher to sign up for a free account until 6/30/20: Mrs. Tupper (Orchestra) - uvxcsv	
MusicTheory	<a href="http://www.musictheory.net">www.musictheory.net</a>	MusicTheory has online lessons and exercises in music. Digital Piano & Music Theory students may practice current topics and also apply lessons to the	

		piano keyboard.	
<b>Music Theory</b>	<a href="https://gmajormusictheory.org">https://gmajormusictheory.org</a>	This site includes free online lessons and exercises in music theory. AP music theory students will find the contextual listening section particularly helpful with auditory skills.	
<b>SmartMusic</b>	<a href="https://www.smartmusic.com/">https://www.smartmusic.com/</a>	This is an Interactive practice tool and music resource. Use the following class code to join your class: South Fayette High School Orchestra - VAV2N-2DHQU	
<b>Rhythm Trainer</b>	<a href="http://therhythmtrainer.com">http://therhythmtrainer.com</a>	This site has rhythmic dictation exercises.	
<b>Berlin Philharmoniker</b>	<a href="https://www.berliner-philharmoniker.de/en/titelgeschichten/20192020/digital-concert-hall/?fbclid=IwAR0ZKb_c5RvhDE27u6SaIWLFhg8TlvDPNDSIFQGCAMBNcQMtu_SgYUxmHfc">https://www.berliner-philharmoniker.de/en/titelgeschichten/20192020/digital-concert-hall/?fbclid=IwAR0ZKb_c5RvhDE27u6SaIWLFhg8TlvDPNDSIFQGCAMBNcQMtu_SgYUxmHfc</a>	Free digital access to concerts by the Berlin Philharmonic through their interactive website. Access concerts, virtual tours of their concert halls, and information about the history of the Berlin Philharmonic and its musicians.	
<b>World Language</b>			
<b>German Resources</b>	<a href="#">Langsam gesprochene Nachrichten   Learning German</a> <a href="#">Deutsche Welle: Podcasts</a> <a href="#">Deutsche Welle: YouTube</a> <a href="#">Easy German Podcast</a> <a href="#">Slow German</a> <a href="#">Deutsche Welle - Deutsch - Warum nicht? A1</a> <a href="#">News in Slow German</a> <a href="#">Step into German</a> <a href="#">Nicos Weg</a>	<p>A variety of resources to practice reading and listening comprehension in German.</p> <p>Also consider practicing vocabulary by using Quizlet and Duolingo (see links on Google Classroom).</p> <p>Lots of movies on Disney+ are available in German.</p> <p>Netflix can be changed to German audio.</p>	

	<a href="https://quizlet.com">https://quizlet.com</a> <a href="https://lyricstraining.com/de/">https://lyricstraining.com/de/</a> <a href="https://conjuguemos.com/">https://conjuguemos.com/</a>	YouTube has several movies that are worth checking out, e.g. "Das Wunder von Bern".	
<b>Duolingo</b>	<a href="https://www.duolingo.com">https://www.duolingo.com</a>	This site has a game-like interface for German, French and Spanish (and other languages) which can assist with reading, writing, listening and speaking.	
<b>Frenchpod Germanpod Spanishpod</b>	<a href="https://www.frenchpod101.com">https://www.frenchpod101.com</a> <a href="https://www.germanpod101.com">https://www.germanpod101.com</a> <a href="https://www.spanishpod101.com">https://www.spanishpod101.com</a>	Free accounts may be created, students can listen to podcasts, and can opt to receive the Word of the Day in each language.	
<b>Spanish Resources</b>	<p><b>Grammar:</b>  <a href="http://www.conjuguemos.com">www.conjuguemos.com</a></p> <p><a href="http://www.studyspanish.com/grammar">www.studyspanish.com/grammar</a></p> <p><b>Vocabulary:</b>  Follow your teacher's class on <a href="http://www.quizlet.com">www.quizlet.com</a> or the Quizlet app</p>	<p>Choose the box "use without account" and then scroll to find the verb tense you wish to practice. Activities include verb conjugation drills (called Graded Practice) and games. Choose the grammar section and the appropriate verb tense to use fill-in-the-blank activities that give feedback.</p> <p>Use the dropdown menu on the left of the screen to see the topics of each unit and find the appropriate topic. When you click on a topic, you will see a written description of the grammatical concept. The basic quiz and mini test are free practice activities that give feedback.</p> <p>Use the vocabulary lists available through your teacher's Quizlet class to continue practicing your vocabulary with flashcards and games.</p> <p>Sign in or join for free. Choose interesting articles</p>	



	<p><b>Reading Comprehension:</b>  <a href="http://www.newsela.com">www.newsela.com</a></p> <p><b>Listening Comprehension:</b>  <a href="https://www.newsinslowspanish.com/home/news">https://www.newsinslowspanish.com/home/news</a></p> <p>Netflix</p>	<p>that are available to read in Spanish. Search “Spanish” to see articles available in Spanish. Look for a small circle with the letters ES in the bottom left corner. This means the article is available in Spanish. After clicking on an article, adjust the reading level in the top right corner to meet your needs.</p> <p>Access intermediate listening practice for free.</p> <p>There are many movies and shows available on Netflix in Spanish. You can often choose subtitles in Spanish or English. Be sure to check ratings before viewing!</p>	
<b>Business, Technology and Computer Science</b>			
<p><b>Technology Courses (Excel, PowerPoint, etc)</b></p>	<p>Excel:  <a href="https://support.office.com/en-us/article/excel-for-windows-training-9bc05390-e94c-46af-a5b3-d7c22f6990bb">https://support.office.com/en-us/article/excel-for-windows-training-9bc05390-e94c-46af-a5b3-d7c22f6990bb</a></p> <p>PowerPoint:  <a href="https://support.office.com/en-us/article/powerpoint-for-windows-training-40e8c930-cb0b-40d8-82c4-bd53d3398787">https://support.office.com/en-us/article/powerpoint-for-windows-training-40e8c930-cb0b-40d8-82c4-bd53d3398787</a></p>	<p>This site includes tutorials and training for Microsoft products, including Excel and PowerPoint</p>	
<p><b>Sports &amp; Entertainment Marketing -- Digital Marketing</b></p>	<p><a href="https://learndigital.withgoogle.com/digitalgarage/course/digital-marketing">https://learndigital.withgoogle.com/digitalgarage/course/digital-marketing</a></p>	<p>This is a robust course offered free of charge by Google Digital Garage. It is self-paced and full of practical activities that introduce the learner to digital marketing and its effectiveness in today’s</p>	

		business climate.	
<b>Podcasting</b>	<a href="https://www.smartpassiveincome.com/guide/start-podcast-pats-complete-step-step-podcasting-tutorial/">https://www.smartpassiveincome.com/guide/start-podcast-pats-complete-step-step-podcasting-tutorial/</a>	Pat Flynn has been podcasting for over a decade and his Smart Passive Income Podcast is one of the most popular in that space. He has developed an online tutorial for beginner podcasters to help them get started. This is a great resource for all aspects of podcasting.	
<b>Computer Science - Java/Python</b>	<a href="#">CodingBat</a>	This site allows for code practice in Java and Python through self graded challenges. Create a free account to save progress.	
<b>Business Management &amp; Entrepreneurship</b>	<a href="https://www.sba.gov/learning-center">https://www.sba.gov/learning-center</a>	The Small Business Association has a variety of resources available to anyone who would like to investigate starting a small business. The courses are free and cover everything from developing a business plan to how to run the day-to-day operations of the business. (Flash is needed)	
<b>Computer Science/Cyber Security</b>	<a href="#">5 Cyber Security projects for the Computer Science Teacher</a>	Five Cyber Security projects for the Computer Science Teacher in Python - Slides from PD. All code is available in the slide notes via repl.it. Starts with a crash course in Python. Then you learn about cracking passwords, encryption, scraping websites, and building web servers and websites.	
<b>AP Computer Science A</b>	<a href="https://online.barronsbooks.com/">https://online.barronsbooks.com/</a>	Barron's online study book for the AP exam is very helpful in preparing for both sections of the exam - multiple choice and free response. Answers and explanations are included for all questions. I also posted an image in Google Classroom of this useful	

		tool.	
<b>AP Computer Science A</b>	<a href="http://apcentral.collegeboard.org">apcentral.collegeboard.org</a>	Practice free response AP questions with solutions. There are many there to work through.	
<b>Accounting IA &amp; IB</b>	<a href="http://www.oercommons.org/courses/principles-of-accounting-i-2/view">http://www.oercommons.org/courses/principles-of-accounting-i-2/view</a>	<i>Introduces accounting principles with respect to financial reporting. Demonstrates how decision makers use accounting information for reporting purposes. Focuses on the preparation of accounting information and its use in the operation of organizations, as well as methods of analysis and interpretation of accounting information.</i> This is a great open educational resource for accounting students. It follows the same path as our textbook, which is available online through Google Classroom.	
<b>Java/AP Computer Science A and P</b>  <b>Python I, Python II</b>	<a href="https://codehs.com/info/curriculum/programming_languages">https://codehs.com/info/curriculum/programming_languages</a>	Create an account and access to many courses will be free. There are many different types of classes to work through at your own pace. You can choose which programming course you want to work in.	
<b>Java/AP Computer Science A and P</b>  <b>Python I, Python II</b>	<a href="https://code.org/">https://code.org/</a>	Create an account and access to many activities will be free. This site will allow you to work outside the box creating and manipulating using programming concepts.	
<b>Java/AP Computer Science</b>	<a href="https://www.khanacademy.org/computing/computer-science">https://www.khanacademy.org/computing/computer-science</a>	Create an account and access to courses will be free. There are many different types of classes to	

<b>A and P</b> <b>Python I, Python II</b>		work through from Algorithms to specific programming skill sets.	
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