



Summer Enrichment

Virtual Options for MRHS Students

English Language Arts

1. For grades 9-12 - Keeping Reading, Writing, and Comprehension skills sharp!

- Readworks.org - sign up and take the pretest to see your reading level. Then, take quizzes to level up.
- SAT Practice on Khan Academy: (sign in with your MRHS account)
 - <https://www.khanacademy.org/mission/sat/practice/reading-and-writing>
 - <https://www.khanacademy.org/mission/sat/practice/math>
- Grammar exercises: <https://www.noredink.com/signup/student> - select "I don't have a code" & log in with your MRHS account to practice on your own.
- Interactive grammar exercises - no sign up/log in required:
<https://chompchomp.com/exercises.htm>



English Language Arts/ Social Studies

1. **Read at least 1 newspaper article a week and write a summary.** Your summary should be written in paragraph(s) form. The summary must include:

**Title/author of the article*


**Who/What the article is mainly about*

**Where/when*

** What are the most important details/facts in the article*

**What does the author think about the topic? Which details or word choices show the author's perspective? (Was anything left out?)*

**Why is the topic important to you?*



Mathematics

For grades 9-12, keep your mind sharp in math by working out problems everyday!

- IXL.com
- [Khanacademy.org](https://www.khanacademy.org/)
- [virtualnerd.com](https://www.virtualnerd.com/)
- <https://bim.easypassmaterials.com/> (In Spanish, and game options as well)
- Big Ideas In Math <https://bim.easypassmaterials.com/>
- Algebra I, Geometry, Algebra 2: https://www.cengage.com/coursepages/commoncoreaga_common2
- <https://www.desmos.com/>



Social Studies

High School Studies topics include core requirements in World History & US History, and electives in multiple Advanced Placement courses, Sociology, Government, and Criminal Justice classes. For further enrichment to help in all aspects of Social Studies, grades 9-12, please take a look at the link below which has a variety of activities to pick and choose from for 5 weeks!

[7 weeks of Social Studies Enrichment](#)



World Languages

Spanish

Spanish 1 Enrichment

Spanish 2 Enrichment



English Language Learners (ELLs)

Whether you are a newcomer who is first learning the English Language or someone who has developed more advanced skill sets, the enrichment activities below are designed to help your language acquisition and usage grow more proficiency.

[Multi-Level ELL Enrichment activities](#)



Great Listens

How to Build an Antiracist World podcast by Ibram X. Kendi

<https://bit.ly/30KCRJ5>

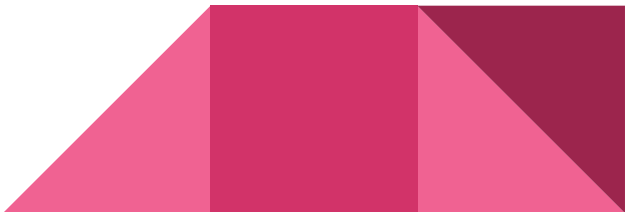
Dear Hank and John Podcast-

<https://www.wnycstudios.org/podcasts/dear-hank-john>

This American Life - <https://www.thisamericanlife.org/>

TED Talks www.ted.com A list of top talks for teens

<https://www.weareteachers.com/ted-talks-students/>



Museums - Virtual Visits

Google Arts and Culture - You can virtually tour museums all over the world including The Guggenheim in New York, The Uffizi Gallery in Florence Italy, the National Museum of Modern and Contemporary Art in Seoul Korea, and many others. <https://artsandculture.google.com/>

The Dallas Holocaust and Human Rights Museum <https://www.dhhrm.org/>

National Museum of Natural History <https://naturalhistory.si.edu/visit/virtual-tour>

Virtual Tour of Washington DC

<https://www.thegreatcoursesdaily.com/tour-washington-dc/>



Science Department Chemistry

Topics

Big Bang Theory/Virtual Field Trips to NASA <https://www.youtube.com/watch?v=fAq5rjie02c>

Big Bang Evidence Video: <https://www.youtube.com/watch?v=1sFQCf95CDg>

Radioactivity/Virtual Field Trip to Nuclear Power Plant <https://www.youtube.com/watch?v=p45OxeKSWrM&t=2s>

Types of Matter <https://www.youtube.com/watch?v=OpWFUgPPtWE>

Periodic Table <https://www.youtube.com/watch?v=kaeDZmPJMbY>

If We Made a Real Periodic Table https://www.youtube.com/watch?v=zA4H_7S_ssY

Bonding: Ionic & Covalent https://www.youtube.com/watch?v=S_k0kr2eZSQ

Chemical Reactions Types <https://www.youtube.com/watch?v=TX6BYceUSL0> **Cool** <https://www.youtube.com/watch?v=G4b6zAypaRw>



Science Department

Crash Course Videos for All Grades and Classes

Physics:

https://www.youtube.com/playlist?list=PL8dPuuaLjXtN0ge7yDk_UA0ldZJdhwkoV

Chemistry:

<https://www.youtube.com/playlist?list=PL8dPuuaLjXtPHzzYuWy6fYEaX9mQQ8oGr>

Biology:

https://www.youtube.com/watch?v=QnQe0xW_JY4&list=PL3EEC1D684D3C9E

Science Department

Physics: Games that will stimulate your brain!

<http://www.physicsgames.net/>



Science Department Biology

Topics

PLATE TECTONICS: Virtual Field Trip Over a Volcano <http://www.airpano.com/360video/Video-Kamchatka-Klyuchevskaya-Sopka/>

Theory of Continental Drift <https://www.youtube.com/watch?v=3HDb9Ijynfo>

How the Earth Evolved <https://www.youtube.com/watch?v=55oDyazPdTU>

ECOLOGY: Virtual Field Trip to Yellowstone <https://www.nps.gov/yell/learn/photosmultimedia/virtualtours.htm>

Food Web & Pyramids Videos <https://www.youtube.com/watch?v=-oVavgmveyY>

Symbiotic Relationships <https://www.youtube.com/watch?v=1yhPeVD5Tm4>

CYCLES: Virtual Field Trips to Mars <https://accessmars.withgoogle.com/>



Science Department Biology Continued

Topics

CYCLES: Photosynthesis & Cellular Respiration https://www.youtube.com/watch?v=rXzN89I4_Yk

Nitrogen Cycle <https://www.youtube.com/watch?v=HOpRT8BRGtk>

CLIMATE CHANGE: Climate Change Debate <https://www.youtube.com/watch?v=SzcGTd8qWTg>

Carbon Footprint <https://www.youtube.com/watch?v=AVKgIkBye7I>

CELL: Stem Cell Debate <https://www.youtube.com/watch?v=f5d0ieWfKII>

Cancer Cells <https://www.youtube.com/watch?v=1MuWqQiqWnc>

HEREDITY: Traits <https://www.youtube.com/watch?v=SI dwzOJ23J8>

Heredity Disease https://www.youtube.com/watch?v=UC-YwiB_FFq



Science Department Biology Continued

Topics

EVOLUTION: Virtual Field Trip to the Galapagos

<https://www.youtube.com/watch?v=x8hwt3Tg-mA&feature=youtu.be>

Adaptations Field Trip <https://www.youtube.com/watch?v=a85IHqFhyw4>

Evolution of Animals <https://www.youtube.com/watch?v=hOfRN0KihOU>

Virtual Field Trip Monterey Bay California <https://www.montereybayaquarium.org/animals/live-cams>

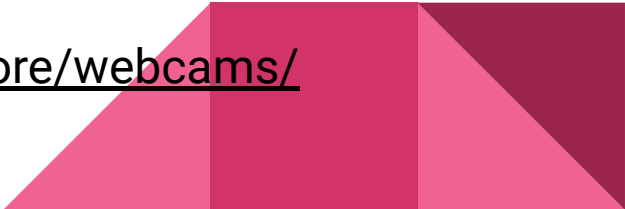


Zoos - Virtual Visits and Webcams

San Diego Zoo Polar bears, elephants, tigers and more. View the African plains, where you'll see giraffes and rhinos roaming, and the Koala cam.

Smithsonian's National Zoo in Washington DC This site offers live cams of multiple animals, including its famed giant panda.

The Houston Zoo This site offers live cams of many different animals including gorillas and flamingos. <https://www.houstonzoo.org/explore/webcams/>



Aquariums - Virtual Visits and Webcams

Monterey Bay Aquarium - Open-Ocean exhibit with sea turtles, sharks, penguins, moon jellies, coral reefs, aviaries and kelp forests to observe.

<https://www.montereybayaquarium.org/animals/live-cams>

National Aquarium - This Baltimore spot offers virtual tours in addition to its blacktip reef shark live and pacific coral reef cams.<https://www.aqua.org/>

Tennessee Aquarium - a live cam set up so you can watch North American river otters at play, as well as penguins and reef fish (sharks, sea turtles and more).

<https://www.tnaqua.org/>



National Parks - Virtual Tours and Webcams

The Hidden Worlds of the National Parks

<https://artsandculture.withgoogle.com/en-us/national-parks-service>


Yosemite National Park

<https://www.nps.gov/yell/learn/photosmultimedia/webcams.htm>

<https://www.nps.gov/yell/learn/photosmultimedia/virtualtours.htm>

Crater Lake - Deep and Pristine Waters

<https://nationalparkswiht.com/2020/04/23/crater-lake-national-park-virtual-tour/>



Space - from your backyard or virtually

The Night Sky Planner shows you what will appear in the night sky.

<https://nightsky.jpl.nasa.gov/planner.cfm>

NASA: Virtual tours of Virginia's Langley Research Center

<https://oh.larc.nasa.gov/oh/> and Ohio's Glenn Research Center

<https://www.nasa.gov/glennvirtualtours>

Augmented reality experiences via The Space Center Houston's app

<https://spacecenter.org/app/>

Visit Mars via Curiosity Rover <https://accessmars.withgoogle.com/#>



All About Shakespeare

Shakespeare The Show Must Go Online - live streaming of Shakespeare's Plays
<https://www.timeout.com/london/news/a-live-streaming-reading-group-is-performing-all-of-shakespeares-plays-in-order-031920>

myShakespeare - a fun and interactive site about Shakespeare's plays.
<https://myshakespeare.com/>

Virtual Tour of the Globe Theater
<https://www.shakespearesglobe.com/discover/about-us/virtual-tour/>



Free Classes from Experts

Rosetta Stone learn Spanish <https://www.rosettastone.com/freeforstudents/>

Duolingo many languages offered <https://www.duolingo.com/>

Coursera on-demand video lectures in subjects such as business, computer science, data science, language learning at <https://www.coursera.org/>

Khan Academy offers free online courses, lessons, and SAT Prep at <https://www.khanacademy.org/>

Crash Course offers educational and entertaining videos from brothers, Hank and John Green <https://www.youtube.com/user/crashcourse>

Destinations Career Academy offers free career exploration summer courses. <https://bit.ly/37z3Fxd>

STEM Classes and Programs

Best Buy's Geek Squad Academy, is a virtual program designed to get youth excited about STEM education. The program includes virtual classes on binary numbers systems, Godot game engines, mobile photography, and website creation. <https://corporate.bestbuy.com/geek-squad-academy-at-home/>

Codecademy - learn to code for free <https://www.codecademy.com/>

Hour of Code - one hour tutorials available in multiple languages
<https://hourofcode.com/us>



Virtual College Searching - Tools to Help

What the admissions process looks like during the pandemic:

<https://www.nacacnet.org/news--publications/newsroom/college-admission-stat-us-coronavirus/>

10 Tips for How to look at colleges virtually:

<https://bigfuture.collegeboard.org/find-colleges/campus-visit-guide/10-ways-to-learn-about-colleges-online>



Take a Tour...Virtually

Access to virtual tours:

<https://campustours.com/>

<https://www.youvisit.com/collegesearch/>

<https://www.youniversitytv.com/category/college/>

Information and insight from current students:

<https://www.campusreel.org/>



College Search Tips Continued

If you are looking for an **online only** college program check here:

<https://www.usnews.com/education/online-education/online-search>

Tip: Once you have narrowed down your choices reach out to admissions counselors, professors, deans, and students. Make personalized phone calls and write emails expressing your interest and asking additional questions.



Take up a Hobby

Birdwatching <https://ny.audubon.org/news/bird-watching-101-guide-beginners>

Photography using your iPhone <https://bit.ly/2AHaVKZ>

Knitting <https://sheepandstitch.com/how-to-knit/>

Drawing

<https://www.creativeblog.com/features/how-to-draw-animals-people-landscapes>

Something else... <https://www.thecuriouslycreative.com/list-of-creative-hobbies/>



Stress Relief

Yoga <https://yogawithadriene.com>
<https://yogawithadriene.com/free-yoga-videos/>

Meditation <https://mindfulnessforteens.com>

Read the Falcon Wellness Letters for great suggestions
https://www.mrhs.net/apps/pages/index.jsp?uREC_ID=1702738&type=d&pREC_ID=1883127

Stay informed about COVID-19 from reliable resources like Harvard University's Resource Center
<https://www.health.harvard.edu/diseases-and-conditions/coronavirus-resource-center>



It's
SUMMER
Time

Most importantly...have a great summer! Stay safe and healthy and use your free time to explore and learn new things.