Hale County School System

Review and Enrichment Practice
Grades 6-12

Michael C. Ryans
Superintendent
Learning Resources is posting daily activities for young learners on its website. A recent post covered "nine letter writing prompts for kids"; another offered a STEM challenge: "What makes 10?"

http://blog.learningresources.com/category/learning-at-home/
hand2mind is making free math activities for home access available. Those include downloadable lessons and "virtual manipulatives" for grades K-8.

https://www.hand2mind.com/resources/lessons
Educational Insights has compiled a set of free at-home worksheets for young learners. Those activities cover reading and language arts practice worksheets for grades K-2, spelling riddles for grades 4-6 and math for pre-k-2; as well as coloring, crafts and "brain benders" (word searches, riddles, connect-the-dots and mazes, among other games).

https://www.educationalinsights.com/at-home-activities-for-kids
Endangered Species

An endangered species is an animal or plant with a natural population so low that it is threatened with extinction. The Sumatran Tiger is an example of an endangered species.
The full course schedule for the free, live online AP classes is now available, along with information about what will be covered this week.

Links to upcoming classes are here: https://apstudents.collegeboard.org/coronavirus-updates. More will be posted shortly.

Lessons begin tomorrow, March 25.

<table>
<thead>
<tr>
<th>Period</th>
<th>Eastern Time</th>
<th>AP Calculus</th>
<th>AP Chemistry</th>
<th>AP Physics 1</th>
<th>AP German</th>
<th>AP Spanish</th>
<th>AP Microeconomics</th>
<th>AP Psychology</th>
<th>AP Computer Science A</th>
<th>AP Japanese</th>
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<tbody>
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<td>P1</td>
<td>8-9:45am</td>
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<td>P2</td>
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<td>P3</td>
<td>11:30am-1:15pm</td>
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CTE RESOURCES
Virtual labs, simulations and interactive learning objects

As classrooms around the country move online due to school closures caused by the COVID-19 outbreak, STEM and Career and Technical Education teachers need to be able to offer hands-on learning experiences in a virtual format. Below is a list of resources compiled by various organizations, including the Technical College System of Georgia, the Association for Career and Technical Education (ACTE) and SREB staff. This list includes virtual labs, simulations and interactive learning objects that allow STEM and CTE students to engage with and explore the world of science and technology in an online setting.

General
- Merlot virtual labs (Biology, Chemistry, Physics, Environmental Science, Engineering, Math)
- PhET simulations (Physics, Chemistry, Earth Science, Math, Biology) from the University of Colorado Boulder

Introduction to Biology
- Lab safety from BioNetwork
- Microscope simulation from the University of Delaware
- Cell size and scale from the Genetics Science Learning Center at the University of Utah
- Virtual labs by Glencoe, list provided by Biology Corner
- Biology virtual labs by the National Science Teaching Association

Chemistry of Life
Environmental Science
- University Corporation for Atmospheric Research provides a directory of educational games, simulations, and virtual labs related to weather, climate, atmospheric science and the sun and space weather
- Environmental science and ecology from Edumedia

Geology
- Geology online labs from Science Courseware
- Geology labs from Online Labs
- Teaching geoscience online Teach the Earth the portal for Earth Education

Human Anatomy
- eSkeleton from the University of Texas at Austin
- Virtual open heart surgery
- Zygote body 3D anatomy viewer
- Anatomy Arcade
- Amrita rodent anatomy from Amrita University
- The Howard Hughes Medical Institute (HHMI) BioInteractive is an independent science philanthropy that invests in biomedical scientists and science educators to advance both human health and our fundamental understanding of biology.
- The Virtual Labs Project began in 1998 with funding from the Howard Hughes Medical Institute to create online interactive media which help students learn difficult concepts in human biology:
- An online examination of human anatomy and physiology from Get Body Smart
- Inner Body view and study various human anatomy systems
- Anatomy Corner Resource site for teachers and students of Anatomy and Physiology. Find quizzes, diagrams, and slide presentations on structures, functions, and systems.
Great Minds has made free recorded learning resources available, including daily instructional videos for math (grades K-12), English language arts (grades K-8) and science (grades 3-5). The organization has said it would update its newly recorded lessons daily.

https://gm.greatminds.org/en-us/knowledgeonthejo
Scholastic Learn at Home digital hub provides 3 hours of programming per day with lessons in English language arts, STEM, science, social studies and social-emotional learning. These lessons includes activities such as writing and research projects based on nonfiction articles and stories, virtual field trips, reading and geography challenges and access to a digital community for kids. Teachers can plan virtual learning meetups to discuss and expand on any of the resources found on the site.

https://classroommagazines.scholastic.com/support/learnathome.html
Learning Resources is posting daily activities for young learners on its website. A recent post covered "nine letter writing prompts for kids"; another offered a STEM challenge: "What makes 10?"

http://blog.learningresources.com/category/learning-at-home/
IXL is providing the eLearning Library free to all teachers through June 30 to support you during school closures. This on-demand professional learning resource offers how-tos on every IXL feature.

https://www.ixl.com/resources/at-home-learning


iOS app: https://apps.apple.com/us/app/ixl/id693689912
Exploratorium, in San Francisco, has released a new online learning toolbox with free science activities and materials addressing public health topics around COVID-19 and more general science support activities and materials for virtual classrooms and at-home learning, covering the nature of viruses, the effect of soap on viruses, how we test for and fight against viruses, as well as the science of personal and social behaviors and interactions. The organization has also posted 285 science activities, called "science snacks," which use "cheap, readily available materials" and can be done at home.

https://www.exploratorium.edu/learn
The Encyclopedia of Alabama is a free, online reference resource on Alabama’s history, culture, geography, and natural environment.

www.encyclopediaofalabama.org
edHelper.com, which produces printable worksheets and educational resources to teachers and homeschooling parents, said it would be publishing free daily workbooks for students who are out of school. The workbooks include math and writing exercises for elementary students. The company said the contents would be updated daily.

Encyclopaedia Britannica is offering all schools and students free access to its "LaunchPacks" science and social studies learning content. The sets are intended for students in K-12 and provide articles, images, videos and primary sources of information, presented in an "engaging interface," optimized for smart devices. The resources are translated into multiple languages.

https://linkprotect.cudasvc.com/url?a=https%3a%2f%2fpacks.eb.com&c=E,1,IA9Jbo4PCQa8uslinNXDtqrc0JeVVM35TWy01Od-P4Cb384hUMndD1bFyByuVGWLuoG5RyjmhLddhly8-QfI8QldflEmywBKWKTWMBguunuvepG9pd_UUMhUFY,&typo=1
Boolean Girl is offering live, online events to help teach students "to code, build, invent and animate." New engineering and coding projects to increase interest and engagement around STEM are introduced every Monday, Wednesday and Friday from 2 to 3 p.m. CST. Each is being recorded so that students can watch the session afterwards if they miss the live presentation.

https://booleangirl.org/full-stem-ahead/
The Alabama Virtual Library provides all students, teachers, and citizens of the State of Alabama with online access to essential library and information resources. It is primarily a group of online databases that have magazine, journal, and newspaper articles for research. Through the AVL, an equitable core of information sources is available to every student and citizen in Alabama, raising the level of excellence in schools and communities across the state.

http://www.avl.lib.al.us/
TypeTastic has made its classroom, school and district editions free until the end of June 2020. The company provides access to 700 games and keyboarding activities. The service promises ad-free access with multiple varieties of reporting and integration with popular K-12 course management and productivity software.

https://edu.typetastic.com/free-keyboarding-resources.html
TPL is free to join and offers programs, books, movies, hotspots, and other resources that are beneficial to children and adults of all ages. And, best of all, IT’S FREE!!

www.tuscaloosa-library.org