

Middle School and High School Digital Resources for Families at Home



West Virginia DEPARTMENT OF
EDUCATION

Literacy and English Language Arts

Free Digital Content to Help Your Student Maintain and Continue Developing Skills at Home

Resource	Description	Account Required	Printable Content	Limitations to Free Access
Commonsense.org	Interactive lessons and lesson plans and activities about digital citizenship by grade and topic.	N	Y	N
Ed.Ted.com	Interactive video lessons focusing on literature and language and other content areas too.	N	N	N
Newsela.com	A variety of news articles that can be adjusted by Lexile for readers of all ages. Most articles have matching writing prompts for students to address.	Students born after 2006 need parent or teacher code	Y	Free content is limited, but still robust. Full content available if teacher gives you a code.
NoRedInk.com	Interactive lessons on grammar and sentence structure as well as writing lessons.	N	N	Free content is limited, but still robust.
PBS Learning Media	Language arts section contains a variety of texts and videos with interactive activities, printable activities, and lesson plans.	N	Some	N

The resources may contain links to external websites that are not provided or maintained by WVDE.

Mathematics

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Resource Link	Description	Account Required	Printable	Limitations to Free Access
Bedtime Math	Daily posts of math problems for families to build mathematical literacy. Math riddles at different developmental levels for parents and children. - Grades K-6.	N	Y	N
Bowland Maths	Imaginative resources for rich problem solving for students “aged 11-14.”	N	Y - Editable version available	N
Carnegie Learning: Math at Home	Text lessons, MATHIA software, skills practice, instructional videos, live webinars twice a day for teachers; live math coach from 8:00 a.m. – 6 p.m. daily; MATHIA Support until 9 p.m.	N	N – MATHIA Y – Student lessons, skills practice resources	Free for the rest of this school year.
Desmos » Art Contest » Linear Systems Card Sort	Online Calculators and activities for students.	N – art contest, calculator Y- activities	N	N
Estimation 180	Tasks and lessons designed to build number sense and reasoning designed to empower students’ estimation skills. - Grades 4-8.	N	N	N
Esti-Mysteries	Estimation meets mystery as students are provided with an image and are invited to wonder what number it represents. Scroll down to find programmatic sets of links to PowerPoint Esti-Mysteries. - Grades PK-12	N	N	N
Khan Academy - math lessons and practice	Online lessons for student in Pre-K – HS. Guidance by Khan Academy on how to use these resources for remote learning during school closures.	N	N	N
National Library of Virtual Manipulatives	Virtual manipulatives.	N	N	N
Open Middle	Challenging math problems designed to build genuine conceptual understanding, perseverance, and creativity.	N	Y	N
Texas Instruments	Teacher and student software emulators of TI technology.	N	N	Free for the next 6 months
Ted Ed Riddles	Problem solving activities that challenge students to make use of different learning skills to solve a riddle.	N	N	N
Which One Doesn’t Belong	Thought-provoking puzzles for math teachers and students to prompt prior knowledge and develop mathematical connections. No answers provided as there are many different and correct ways of choosing which one doesn’t belong. - Grades PK-12.	N	Y	N
youcubed	Great math tasks that students could work on at home.	N	Y	N

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Social Studies

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Resource Link	Description	Account Required?	Printable?	Limitations to Free Access
PBS Learning Media	Standards-aligned videos, interactives, and lesson plans - grades K-12. Anyone can access the resources. If the teacher would like to keep a record of lessons completed, an account is required.	No, but to assign certain material to students and monitor progress an account is required	Yes	No
National Geographic Kids	A great website for grades K-6. The interactive activities include social studies content of Native Americans and individual state history.	No	No	No
Anne Frank House	Take a 360-degree tour of Anne Frank's home in Amsterdam.	No	No	No
Great Wall of China	This panoramic virtual tour allows you to walk the Great Wall of China.	No	No	No

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Science

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Resource Link	Description	Account Required	Printable	Limitations to Free Access
Project WET Quiz for Middle School	Game-style quizzes about water resources will be available until April 14.	N	N	N
Project WET Quiz for High School	Game-style quizzes about water resources will be available until April 14.	N	N	N
Influenza 1918	Film Description- In September of 1918, soldiers at an army base near Boston suddenly began to die. The cause of death was identified as influenza, but it was unlike any strain ever seen. As the killer virus spread across the country, hospitals overfilled, death carts roamed the streets and helpless city officials dug mass graves. It was the worst epidemic in American history, killing over 600,000 — until it disappeared as mysteriously as it had begun.	N	N	N
Vaccines—Calling the Shots	Film Description- Examine the science behind vaccinations, the return of preventable diseases, and the risks of opting out.	N	N	N
FunScienceDemos!	Videos that demonstrate science phenomena	N	N	N
Global Footprint Network Ecological Footprint Calculator	The interactive calculator asks questions that are relatable to daily life and the quiz can be retaken to analyze how lifestyle changes impact footprint.	N	N	N
Khan Academy	Short lectures in the form of YouTube videos which may be queried by grade and content.	N	N	
KidsGardening.org	Articles, activities, and resources for implementing school gardens and family gardening.	N	N	N
NOAA Education resources	Articles, images, and videos organized by topics.	N	webpages may be printed	N
NATURE	Videos about the beauty and wonder of the natural world	N	N	N
NBC Learn	Videos which explore the process of innovation.	N	N	N
PBS	PBS's educational media helps prepare children for success in school and opens up the world to them in an age-appropriate way.	N	N	N
Project BudBurst	Get children outside taking a moment to observe and record how plants in your community change with the seasons. When observations are shared with Project BudBurst, they become part of an ecological record.	N	N	N
Project Learning Tree Activities for Families	Award-winning environmental education program designed for teachers and other educators, parents, and community leaders working with youth from preschool through grade 12.	N	N	N

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Foreign Language

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Resource Link	Description	Account Required	Printable	Built In Modifications or Accommodations	Focus Languages
DuoLingo	This free resource can be used as a web-based site or an application. It is easy for students to use on their own.	N – student or parent account required	N	Yes – There is reteach of material missed.	All languages taught in WV except ASL
BBC Languages	This free interactive resource provides activities in various languages.	No account required	N	None detected	All languages taught in WV except ASL
Hello Chinese	This free app is a fun and interactive way to learn Chinese. It is easy for students to use on their own.	N – student or parent account required	N	None detected	Mandarin Chinese
Francais Facile	This is a free app that contains complete lessons and achievement tests.	No account required	Y	None detected	French
ActiLingua Online	These free German lessons test grammar.	Account required for specific parts	Y	None detected	German
The Italian Experiment	This website contains online Italian lessons with audio, as well as illustrated children’s books.	No account required	N	None detected	Italian
Japan Society videos	These videos provide a review of basic language or instruction for the beginner.	No account required	N	None detected	Japanese
Latin practice	Activities to review basic Latin.	No account required	N	None detected	Latin
The Spanish Experiment	This website contains online Spanish lessons with audio, as well as illustrated children’s books	No account required	N	None detected	Spanish
Life Print	This free site provides instruction with photos to learn basic American Sign Language.	No account required	N	None detected	American Sign Language

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Health

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Resource Link	Description	Teacher Account Required	Printable	Limitations to Free Access
Stanford Tobacco Prevention Toolkit	Theory-based and evidence-informed resources created by educators, parents, and researchers aimed at preventing middle and high school students' use of tobacco and nicotine.	N	N	N
SHAPE America COVID 19 Resources	Various resources from the HPE community.	N	Some	N
Cannabis Awareness & Prevention toolkit	Theory-based and evidence-informed resources created by educators, parents, and researchers aimed at preventing middle and high school students' use of cannabis/marijuana.	N	N	N
Kids Health	Website that aims to give students the tools and confidence to make the best health choices.	N	N	N

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Physical Education

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Resource Link	Description	Teacher Account Required	Printable	Limitations to Free Access
SHAPE America COVID-19 Resources	An array of online assignments and work from home for teachers to use either online or for printouts to send home with students from various high school teachers around the country.	N	Some	N
GoNoodle®	GoNoodle® engages kids every month with movement and mindfulness videos created by child development experts. Available for free at school, home, and everywhere kids are!	Y Family Account Available	N	N
Jr NBA	Instructional Basketball curriculum divided into four levels.	N	N	N
NFLplay60 discovery education	These lessons allow educators to relay the importance of daily physical activity and provide an engaging, hands-on experience to bring critical content to life.	N	Some	N
Fitness Blender	Free workout videos.	N	N	N
DAREBEE	Free workout videos.	N	Yes	N

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Driver Education

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Resource Link	Description	Teacher Account Required	Printable	Limitations to Free Access
Traffic Safety Foundation	Provides streaming traffic safety instruction.	N	N	N
Teen Lane	Provides information and resources that young people can use to improve their own safe driving skills.	N	N	N

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The Arts

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Music

Resource Link	Description	Account Required	Printable	Limitations to Free access
The Metropolitan Opera	Nightly live stream performance of various operas (7:30 pm).	N	N	N
Basic Music Theory	Lessons, exercises and tools for basic music theory instruction.	N	N	N
Noteflight Learn	Lesson plans, videos and access to Content Libraries for general music	N	N	Free access through June 30,2020

Visual Arts

Resource Link	Description	Account Required	Printable	Limitations to Free access
Art Lessons at Home	Free art lessons available for elementary, middle and high school	N	N	N

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Computer Science

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Code.org	Interactive lesson resources.	Y	Some	N
Code Break	Live weekly webcast where our team will teach your children at home while school is closed, and a weekly challenge to engage students of all abilities, even those without computers.	Y	N	N
Girls Who Code	At home resources for learning computer science. Includes many unplugged activities for at home activities.	N	Y	N
Khan Academy Computing Lessons	Free online CS course content.	Yes	N	N
CS Coloring Book	An unplugged option for learning about computer science content. Requires printing.	N	Yes	Creative Commons Licensing
Unplugged Activities	Unplugged activities for learning about computer science. Requires printing.	N	Yes	N

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STEM

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PBS Kids Design Squad Challenges	Lessons and challenges from PBS' Design Squad Team.	N	Y	N
NASA JPL STEM activities for families	Hands on and online activities to do at home	N	Y	N
Explore Engineering	From Try Engineering.com, student website to learn about engineering.	N	Y	N

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