

# Middle School and High School Resource

Compiled by teachers and staff for students and families.

KIM NEAKOK AUG 15, 2020 12:25AM

## Resources Provided by the State of Alaska

### Alaska State Library Resources

free access to a variety of resources supported by Alaska Statewide Library

#### Libraries, Archives, Museums: Statewide Library Electronic Doorway (SLED): Home

We're committed to providing the valuable resources on SLED and the SLED Databases to all Alaskans.

Using the Web Content Accessibility Guidelines 2.1, Level AA as our guide, we strive to make our websites more accessible for everyone. Many of our resources are from third parties.

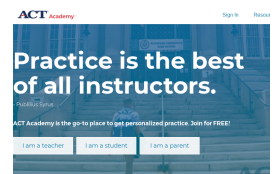
ALASKA



#### ACT Academy is Now Available

Free, personalized practice for the ACT test. ACT Academy is the go to place to get practice resources designed to help you get the best score possible on the ACT test, and well on your way to college and career success.

ACT



#### 28 free virtual field trips and activities for families in quarantine

While the world is sorting out the new normal of social distancing, parents everywhere are also trying to do it with full-time jobs, and in many cases, no child care. For the first time in most of our lifetimes, schools have been shut down for extended periods, and no one really knows when it will e...

AMERICAS MILITARY ENTERTAINMENT BRAND



#### Student & Family Resources

Sea Grant Alaska Alaska Seas and Watersheds teaching activities, developed by Alaska teachers, provide high-quality lesson plans and units. Complete and ready to use, aligned with Alaska state science standards.

AKLEARNIS



#### Amazing Educational Resources

Entertaining, educational quiz games to test and improve your geographical knowledge. Learn countries, capitals, flags, continents, earth layers, oceans, seas mountains, islands, rivers, deserts and many other topics.

AMAZINGEDUCATIONALRESOURCES



## Resource Data Bases

#### CrashCourse

At Crash Course, we believe that high quality educational videos should be available to everyone for free! Subscribe for weekly videos from our current cours...

YOUTUBE



## PBS LearningMedia | Teaching Resources For Students And Teachers

Inspire your students with thousands of free teaching resources including videos, lesson plans, and games aligned to state and national standards.

PBS LEARNINGMEDIA



## FREE Learn-at-Home Resources

We're proud to offer these FREE teacher-approved resources for at-home learning! These materials are designed to help students solidify the concepts they learn in school, and equip them for learning at home.

TEACHERCREATEDMATERIALS



## Reviews for what your kids want to watch (before they watch it) | Common Sense Media

Common Sense Media is the leading source of entertainment and technology recommendations for families. Parents trust our expert reviews and objective advice.

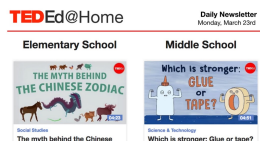
COMMONSENSEMEDIA



## TED-Ed@Home Daily Newsletter

A daily newsletter to support the millions of students, parents and teachers affected by the COVID-19 pandemic. TED-Ed is working with expert educators and TED speakers throughout the world to create and share high-quality, interactive, video-based lessons on a daily basis, for free.

TED-ED



## Library of Congress: Engage! | Library of Congress

The Library's doors may be closed, but we are still here for you. On this page you'll find ways to engage with authors you love and ways to connect to the Library's resources from anywhere in the world. Check this page every Friday for more new videos from Dav Pilkey.

THE LIBRARY OF CONGRESS



# Reading Resources

## Literacy at home

Achieve3000

### ACHIEVE3000 LITERACY AT HOME

Get Your Personal Login Credentials. You'll be asked a few short questions, and then you'll get your personal username and password. Save that information so that you can log in to Achieve3000 Literacy at Home Digital every day!

ACHIEVE3000



## Audible

Free audio books for kids.

### Audible Stories | Audible.com

Free stories for kids of all ages. Audible Stories is a free website where kids of all ages can listen to hundreds of Audible audio titles across six different languages- English, Spanish, French, German, Italian and Japanese-for free, so they can keep learning, dreaming and just being kids.

AUDIBLE.COM



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AUDIBLE.COM



### Free Resources

First Book Marketplace

FBMARKETPLACE

Activities for K-2nd  
Download Now >

### CommonLit |

Browse our free collection of reading passages in all literary and nonfiction genres for grades 3-12.

COMMONLIT



### Reading Comprehension Exercises for all Grades & Levels | ReadTheory

From K-12 to adult education (ABE) - ReadTheory proudly serves them all. ReadTheory is perfect for reinforcing English as a second language and thousands of students in Asia, Africa, and Europe are currently honing their skills with ReadTheory.

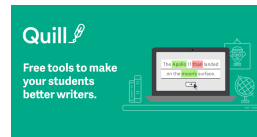
READTHEORY



### Quill.org | Interactive Writing and Grammar

Set up your classroom, without IT You can quickly and easily set up your classroom in Quill by inputting student names or providing students with a unique code. If you use Google Classroom or Clever, you can automatically set up your classroom with one click.

QUILL



## Math Resources

### STEAM Learning Activity Sheets - RAFT

STEAM Learning Activity Sheets Free online tools that guide parents, guardians, and students through Pre-K to 8th grade activities using common household items.

RAFT



## Writing Resources

### Over 140 Picture Prompts to Inspire Student Writing

Sign up for our free Learning Network newsletter. Updated: May 31, 2019 Receive new writing prompts in your inbox every week. Think The New York Times is only for readers at a high-school reading level? Think again.

NYTIMES



### Free Writing Resources

In addition to 8-week online writing courses, Time4Writing provides free writing resources to help parents and educators teach writing more effectively. The writing resources listed below are organized into seven main categories. Each category includes a selection of fun writing games, instructional videos, printable writing worksheets and other writing tools that are topic specific and related to each category.

TIME4WRITING



CCSS  
WHERE TO FOCUS  
GRADE 6  
MATHEMATICS

MATH

6

F

MATHEMATICS

GRADE 6

FOCUS

This document shows where students and teachers should spend the large majority of their time in order to meet the expectations of the Standards.

Not all content in a given grade is emphasized equally in the Standards. Some clusters require greater emphasis than others based on the depth of the ideas, the time that they take to master, and/or their importance to future mathematics or the demands of college and career readiness. More time in these areas is also necessary for students to meet the Standards for Mathematical Practice.

To say that some things have greater emphasis is not to say that anything in the Standards can safely be neglected in instruction. Neglecting material will leave gaps in student skill and understanding and may leave students unprepared for the challenges of a later grade.

Students should spend the large majority<sup>1</sup> of their time on the major work of the grade (■). Supporting work (■) and, where appropriate, additional work (●) can engage students in the major work of the grade.<sup>2,3</sup>

MAJOR, SUPPORTING, AND ADDITIONAL CLUSTERS FOR GRADE 6

Emphases are given at the cluster level. Refer to the Common Core State Standards for Mathematics for the specific standards that fall within each cluster.

Key: ■ Major Clusters ■ Supporting Clusters ● Additional Clusters

- 6.RP.A ■ Understand ratio concepts and use ratio reasoning to solve problems.
- 6.NS.A ■ Apply and extend previous understandings of multiplication and division to divide fractions by fractions.
- 6.NS.B ● Compute fluently with multi-digit numbers and find common factors and multiples.
- 6.NS.C ■ Apply and extend previous understandings of numbers to the system of rational numbers.
- 6.EE.A ■ Apply and extend previous understandings of arithmetic to algebraic expressions.
- 6.EE.C ■ Reason about and solve one-variable equations and inequalities.
- 6.EE.B ■ Represent and analyze quantitative relationships between dependent and independent variables.
- 6.G.A ■ Solve real-world and mathematical problems involving area, surface area, and volume.
- 6.SPA ● Develop understanding of statistical variability.
- 6.SPB ● Summarize and describe distributions.

HIGHLIGHTS OF MAJOR WORK IN GRADES K-8

K-2	Addition and subtraction – concepts, skills, and problem solving; place value
3-5	Multiplication and division of whole numbers and fractions – concepts, skills, and problem solving
6	Rates and proportional relationships; early expressions and equations
7	Rates and proportional relationships; arithmetic of rational numbers
8	Linear algebra and linear functions

REQUIRED FLUENCIES FOR GRADE 6

6.NS.B.2	Multi-digit division
6.NS.B.3	Multi-digit decimal operations

SAP\_Focus\_Math\_6

PDF document

PADLET DRIVE

CCSS  
WHERE TO FOCUS  
GRADE 7  
MATHEMATICS

MATH

7

F

MATHEMATICS   GRADE 7   FOCUS

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MAJOR, SUPPORTING, AND ADDITIONAL CLUSTERS FOR GRADE 7

Emphases are given at the cluster level. Refer to the Common Core State Standards for Mathematics for the specific standards that fall within each cluster.

Key: ■ Major Clusters   ■ Supporting Clusters   ■ Additional Clusters

- 7.RP.A ■ Analyze proportional relationships and use them to solve real-world and mathematical problems.
- 7.NS.A ■ Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers.
- 7.EE.A ■ Use properties of operations to generate equivalent expressions.
- 7.EE.B ■ Solve real-life and mathematical problems using numerical and algebraic expressions and equations.
- 7.G.A ■ Draw, construct and describe geometrical figures and describe the relationships between them.
- 7.G.B ■ Solve real-life and mathematical problems involving angle measure, area, surface area, and volume.
- 7.SP.A ■ Use random sampling to draw inferences about a population.
- 7.SP.B ■ Draw informal comparative inferences about two populations.
- 7.SP.C ■ Investigate chance processes and develop, use, and evaluate probability models.

HIGHLIGHTS OF MAJOR WORK IN GRADES K–8

K–2	Addition and subtraction – concepts, skills, and problem solving; place value
3–5	Multiplication and division of whole numbers and fractions – concepts, skills, and problem solving
6	Ratios and proportional relationships; early expressions and equations
7	Ratios and proportional relationships; arithmetic of rational numbers
8	Linear algebra and linear functions

10 Family Card Games That Support Early Math Skills

Family card games are an inexpensive way to have fun with children while learning important math concepts. Play these 10 card games designed to reinforce and build upon your child's math skills—all you need is a deck of playing cards!

STANFORD

# Science Resources

## Virtual Field Trips

Adventures through time

Virtual Field Trip

ASU

Curriculum Collections | American Museum of Natural History

Activities, articles, videos and more, for educators, families, students and anyone interested in teaching or learning about science.

AMERICAN MUSEUM OF NATURAL HISTORY

SciShow Kids

SciShow Kids explores all those curious topics that make us ask "why?" Every Tuesday and Thursday, Jessi and her robot rat Squeaks answer your questions and ...

YOUTUBE

Explore The Hidden Worlds of our National Parks

Follow rangers on a journey to places most people never go in stunning 360° video.

EXPLORE THE HIDDEN WORLDS OF OUR NATIONAL PARKS

CCSS  
WHERE TO FOCUS  
GRADE 8  
MATHEMATICS

MATH

8

F

MATHEMATICS   GRADE 8   FOCUS

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MAJOR, SUPPORTING, AND ADDITIONAL CLUSTERS FOR GRADE 8

Emphases are given at the cluster level. Refer to the Common Core State Standards for Mathematics for the specific standards that fall within each cluster.

Key: ■ Major Clusters   ■ Supporting Clusters   ■ Additional Clusters

- 8.NS.A ■ Know that there are numbers that are not rational, and approximate them by rational numbers.
- 8.EE.A ■ Work with radicals and integer exponents.
- 8.EE.B ■ Understand the connections between proportional relationships, lines, and linear equations.
- 8.EE.C ■ Analyze and solve linear equations and pairs of simultaneous linear equations.
- 8.F.A ■ Define, evaluate, and compare functions.
- 8.F.B ■ Use functions to model relationships between quantities.
- 8.G.A ■ Understand congruence and similarity using physical models, transparencies, or geometry software.
- 8.G.B ■ Understand and apply the Pythagorean Theorem.
- 8.G.C ■ Solve real-world and mathematical problems involving volume of cylinders, cones and spheres.
- 8.SPA ■ Investigate patterns of association in bivariate data.

HIGHLIGHTS OF MAJOR WORK IN GRADES K–8

K–2	Addition and subtraction – concepts, skills, and problem solving; place value
3–5	Multiplication and division of whole numbers and fractions – concepts, skills, and problem solving
6	Ratios and proportional relationships; early expressions and equations
7	Ratios and proportional relationships; arithmetic of rational numbers
8	Linear algebra and linear functions

Printable Math Worksheets at DadsWorksheets.com

DadsWorksheets.com delivers thousands of printable math worksheets, charts and calculators for home school or classroom use on a variety of math topics including multiplication, division, subtraction, addition, fractions, number patterns, order of operations, standard form, expanded form, rounding, Roman numerals and other math subjects.

DADSWORKSHEETS



### Learn at Home: Grades 6-12

Fostering curiosity and a passion for lifelong learning, this curated collection of activities can be adapted for students in grades 6-12 in a remote learning environment. Explore the planet through interactives and short lessons or take a deeper dive into a subject area with a complete unit.



NATIONALGEOGRAPHIC

### Explore & Learn

Learn more about Explore & Learn

SMITHSONIAN INSTITUTION



## Virtual Museum Tours

### Stuck at Home? These 12 Famous Museums Offer Virtual Tours You Can Take on Your Couch



Experience the best museums from London to Seoul in the comfort of your own home. Going into a self-quarantine can have many complex issues and complications beyond having enough food and supplies for two weeks. In terms of entertainment, it also probably means you're in for a lot of boredom, a lot of Netflix, and a lot of browsing the internet.

TRAVEL + LEISURE

## Social and Emotional Resources

### Hour of Code

The Hour of Code is a global movement reaching tens of millions of students in 180+ countries. Anyone, anywhere can organize an Hour of Code event or try any of the over 500+ one-hour tutorials, available in over 45 languages.



CODE.ORG

### Just For Kids: A Comic Exploring The New Coronavirus

Kids, this comic is for you. It's based on a radio story that NPR education reporter Cory Turner did. He asked some experts what kids might want to know about the new coronavirus discovered in China.



NPR.ORG

## Social Studies Resources

### Read, Wonder, and Learn! Favorite Authors & Illustrators Share Resources for Learning Anywhere - Spring 2020

Hello, friends! I'm Kate Messner, a former classroom teacher, forever-educator, and the author of more than three dozen books for kids. These include picture books like *Over and Under the Snow*, *The Brilliant Deep*, and *The Next President*; the Fergus and Zeke easy reader series; the Ranger in Time historical chapter book adventures; nonfiction like *Tracking Pythons* and *Solve This: Forensics*; and novels like *All the Answers*, *Breakout*, and .



KATEMESSNER

### A Family's Guide to Teaching Good Character

Good character doesn't just happen. It is a result of families who intentionally teach their children about character. The family guide is available in the following grade levels: K-5 6-8 9-12 What is character? Moral character includes values we need



THE ROBERT D. AND BILLIE RAY CENTER

Self-regulation is the ability to maintain or change arousal/energy level and manage emotions to match the situation or activity (e.g. preparing for sleep, lower level vs. preparing to play soccer, higher level). Engaging in different types of sensory activities help us to learn more about our sensory system needs and how we respond to various stimuli. The more we learn about and use these systems the better equipped we are to self-regulate. Receptors located throughout the body take in information from the environment (and body) to make sense of, and interact with the world. Listed below are various activities or tools that may assist with self-regulation.

#### Visual

Vision is the ability of the eyes to focus and detect images. Visual perception is how the brain processes information – recognizing, differentiating and interpreting visual stimuli. The visual system is very important in learning to read, write, count and a lot of other skills that are important in life.

##### Calming

- Lava lamps
- Dim lighting, neutral colours
- Reduce visual distractions in the environment
- Less clutter, empty space (clear desk)

##### Alerting

- Bright colours, flashing lights
- Contrasting colours or patterns
- Being in busy, active areas, crowds, malls, birthday parties, playgrounds, water slides

#### Auditory

Hearing is the ability to perceive sound from the environment. It provides localization and differentiation of sound.

##### Calming

- Calm, soft, even toned voices
- Rhythmic sounds (slower, repetitive beats)
- White noise, fan, rain sound
- Ear defenders (to reduce noise)
- Eliminate background noise (TV, radio)

##### Alerting

- Loud, dramatic voices, screaming, crying
- Music with variation in beat and faster beats
- Unexpected sounds (alarms, sirens)

### Activities-for-Self-Regulation[1]

PDF document

PADLET DRIVE

### PACER's National Bullying Prevention Center

Are you looking to take action or get more informed about bullying? Below are a few ideas: We have teamed up with Planet Fitness' Judgement Free Generation® initiative to develop "Bullying Prevention 101," a free educational resource designed to equip teachers, counselors and other educators with tools to empower students to prevent bullying and stand up for kindness.

PACER



### GoNoodle | Get Moving

GoNoodle videos get kids moving to be their strongest, bravest, silliest, smartest, bestest selves. Over 14 million kids each month are dancing, stretching, ...

YOUTUBE



### Episode 1: An Introduction



### An Introduction / Draw Every Day with JJK, ep. 1

by Jarrett J. Krosoczka—author & illustrator

YOUTUBE

## Drawing Lessons With Mo

## Art, Music, and Movement Resources

### Draw with Us!

Have them join the journey as Drew, creative director of TIME for Kids, and his sidekick Rosie explore their imaginations and dream up fun things to sketch. Drew Willis is the creative director of TIME for Kids (TFK) and an accomplished children's book illustrator.

TIME



### LUNCH DOODLES with Mo Willems! Episode 01

by The Kennedy Center

YOUTUBE

## Art Lessons by Grade Archives | Deep Space Sparkle

Creative Art Projects for Busy  
Teachers

DEEP SPACE SPARKLE



## BeepBox

BeepBox is an online tool for sketching and sharing instrumental melodies. All song data is contained in the URL at the top of your browser. When you make changes to the song, the URL is updated to reflect your changes. When you are satisfied with your song, just copy and paste the URL to save and share your song!

BEEPBOX



## Coronavirus/COVID-19 Support

To support your efforts to keep students moving and learning while at home due to closures related to COVID-19, we have decided to make the Walkabouts platform temporarily available at no cost to those implementing remote learning. We have created general login credentials for those who do not already have access to Walkabouts.

ACTIVEDINC



## Resources Providing Paid Subscriptions

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