

NO SCHOOL? NO PROBLEM!

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ACSI

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What do we do when we can't have school?

- ◉ What is an Online Instruction Day?
- ◉ Is that the same as a online course?
- ◉ How can we get started?
- ◉ How do we do this well?
- ◉ What are some resources we might need?
- ◉ What can we do now to prepare for this?

community.acsi.org/coronavirusresources/home

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Schools might have to close

 Centers for Disease Control and Prevention
CDC 24/7: Saving Lives, Protecting People™

Coronavirus Disease 2019 (COVID-19)

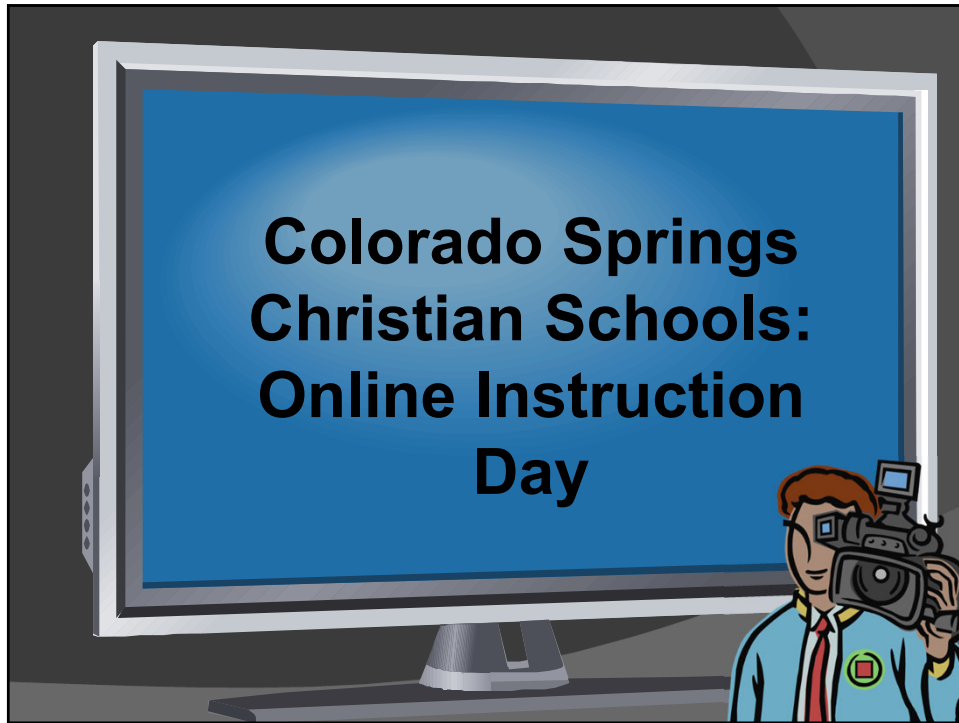
- Talk with local health officials
- If schools are dismissed, have a plan for continuity of education.
- Implement e-learning (Check with state)
- Convert face-to-face lessons to online lessons
- Train teachers

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October 2006



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Definitions

- ◎ **Online Classes** - a whole course, taught by the semester or year, where the curriculum is delivered entirely online
- ◎ **Online Instruction Day** - one or more days, only used as needed, when instruction continues online, in-between what would otherwise be typical classes in a brick and mortar school.

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Allowed in your state?



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What are your current capabilities?

Student Management System (SMS)

- Renweb
- PowerSchool
- Blackbaud
- Others?

Learning Management System (LMS)

- Moodle
- Google Classroom
- Schoology
- Microsoft Teams
- Others?

Identify what you can do with your systems and your personnel.

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Typical Online Instruction Day


1. Call the Online Instruction Day by 5:30 am, like a “Delayed Start” (modify for 2-3 weeks)
2. Post instruction by 10 am, or night before
3. Students login and complete work.
 - a. K-2 have instruction that can be printed.
 - b. Grades 3-5 have a mix, printed and online.
 - c. Grades 6-12 can be primarily online with work to be completed offline, (group or independent practice)
 - d. Be sensitive to constraints of multi-student families.

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What qualifies as “Online instruction?”

- Start training teachers first
- Must be real instruction, not assignments or busywork
- Examples:
 - Textbooks with video teaching, interactive activities, reteaching, or enrichment resources
 - Websites with teaching videos like Khan Academy. Many include quizzes, and review segments.

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Khan Academy

What classes are you teaching?

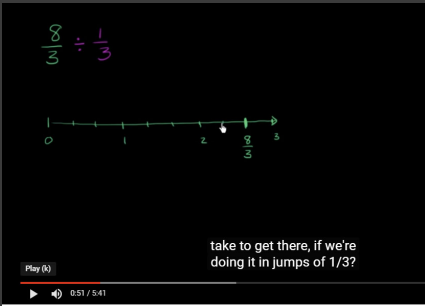
Khan Academy has world-class, standards-aligned content for K-14 Math, Science, History, AP®, SAT®, and more.

Math	Math by grade	Science & engineering	High school math
<input type="checkbox"/> Early math	<input type="checkbox"/> Kindergarten	<input type="checkbox"/> Physics	<input type="checkbox"/> Mathematics I
<input type="checkbox"/> Arithmetic	<input type="checkbox"/> 1st grade	<input type="checkbox"/> AP® Physics 1	<input type="checkbox"/> Mathematics II
<input type="checkbox"/> Pre-algebra	<input type="checkbox"/> 2nd grade	<input type="checkbox"/> AP® Physics 2	<input type="checkbox"/> Mathematics III
<input type="checkbox"/> Algebra I	<input type="checkbox"/> 3rd grade	<input type="checkbox"/> Cosmology and astronomy	
<input type="checkbox"/> High school geometry	<input type="checkbox"/> 4th grade	<input type="checkbox"/> Chemistry	
<input type="checkbox"/> Algebra II	<input type="checkbox"/> 5th grade	<input type="checkbox"/> AP® Chemistry	
<input type="checkbox"/> Trigonometry	<input type="checkbox"/> 6th grade	<input type="checkbox"/> Organic chemistry	
<input type="checkbox"/> Precalculus	<input type="checkbox"/> 7th grade	<input type="checkbox"/> Biology	
<input type="checkbox"/> Statistics and probability	<input type="checkbox"/> 8th grade	<input type="checkbox"/> High school biology	
<input type="checkbox"/> AP® Calculus AB		<input type="checkbox"/> AP® Biology	
<input type="checkbox"/> AP® Calculus BC		<input type="checkbox"/> Health and medicine	
<input type="checkbox"/> AP® Statistics		<input type="checkbox"/> Electrical engineering	

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Khan Academy

Understanding division of fractions



take to get there, if we're doing it in jumps of 1/3?

$$\frac{3}{8} \div \frac{5}{9} = ?$$

27/40

Way to go! [See a step-by-step solution.](#)

Dividing fractions review

CCSS Math: 6.NS.A.1

Review the basics of dividing fractions, and try some practice problems.

[Google Classroom](#)
[Facebook](#)
[Twitter](#)
[Email](#)

Dividing fractions

Dividing fractions is the same as multiplying by the reciprocal (inverse).

For example:

$$\frac{3}{4} \div \frac{2}{3} = \frac{3}{4} \times \frac{3}{2}$$

Once we have a multiplication problem, we multiply the numerators then multiply the denominators.

Example 1: Fractions

$$\frac{3}{2} \div \frac{8}{3} = ?$$

The reciprocal of $\frac{8}{3}$ is $\frac{3}{8}$.

Therefore:

$$\begin{aligned} \frac{3}{2} \div \frac{8}{3} &= \frac{3}{2} \times \frac{3}{8} \\ &= \frac{3 \times 3}{2 \times 8} \\ &= \frac{9}{16} \end{aligned}$$

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- PowerPoint slides can be saved with narration or video. (adding video creates large files)
- **Warning** – copyright issues change with online instruction (copyright free photos, links OK)
- Video capture programs, short videos of teaching
- Simulations, virtual labs, foreign language sites may be better used individually.
- Thousands of educational sites for most topics, locate with a websearch. (See Resource Page)

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Daniel Boone is Accused of Treason

Video Grades: 9-12 Collection: Daniel Boone and the Opening of the American West

Share to Google Classroom

Assign or Share

Support Materials

Teacher's Guide

Facilitator Guide

Teacher's Guide | Daniel Boone and the Opening of the American West

Vocabulary

Define a military blockade of a fort or community in which the people are cut off from resources in order to force surrender.

Self-reflection: How did you feel to respond and from other resources using video and images about?

Vocabulary

Daniel Boone is Accused of Treason Vocabulary

Discussion Questions

1. Why was Daniel Boone charged with treason?
2. What was the outcome of his trial?

Discussion Questions

Daniel Boone is Accused of Treason - Discussion Questions

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PHET
INTERACTIVE SIMULATIONS

University of Colorado Boulder

SIMULATIONS TEACHING RESEARCH ACC

By Grade Level ▸ **High School**

Elementary School
 Middle School
 ▸ **High School**
 University

Acid-Base Solutions
Alpha Decay
Area Model Algebra
Atomic Interactions
Balancing Act
Balancing Chemical Equations
Balloons & Buoyancy
Balloons and Static Electricity
Battery-Resistor Circuit

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Balance Me!

• Balance
 • Proportional Reasoning
 • Torque

Position
☒ None
☐ Rulers
☐ Marks

20 kg

10 kg

Check

Level: 1 Challenge 3 of 6 Score: 4 Start Over

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8. McGraw-Hill Biology Virtual Labs

Virtual Lab Earthworm Dissection

Question
What are the structures and body systems of an earthworm?

We study earthworms to learn the structures and functions of segmented worms, also called annelids. Segmentation supports diversified functions of body parts and tissues. Studying the anatomy and body systems of annelids helps us understand the bodies of higher-level organisms.

Earthworms are classified in the phylum *Annelida*. (Kingdom: Animal; Phylum: Annelida; Class: Oligochaeta; Order: Opisthopora; Family: Lumbricidae; Genus: *Lumbricus*; Species: *Lumbricus terrestris*) The Annelida also include leeches and bristleworms. Segmented worms have bilateral symmetry and have a coelom, which is a fluid-filled body cavity surrounded by mesoderm. Earthworms have two body openings, a mouth and an anus. The basic body plan of segmented

Labels

- Anterior end
- Clitellum
- Mouth
- Segment
- Setae
- Sperm duct openings
- Sperm grooves

External anatomy **Internal anatomy**

Reset Check

Journal Calculator Audio Print

Lab Manual

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edX Courses ▾ Programs & Degrees ▾ Schools & Partners edX for Business Search

Home > All Subjects > Physics > AP® Physics 1: Challenging Concepts

AP Physics 1 Challenging Concepts

DAVIDSON next

AP® Physics 1: Challenging Concepts

Master the most difficult topics in your AP® Physics 1 course with help from experienced AP® Physics teachers.

next

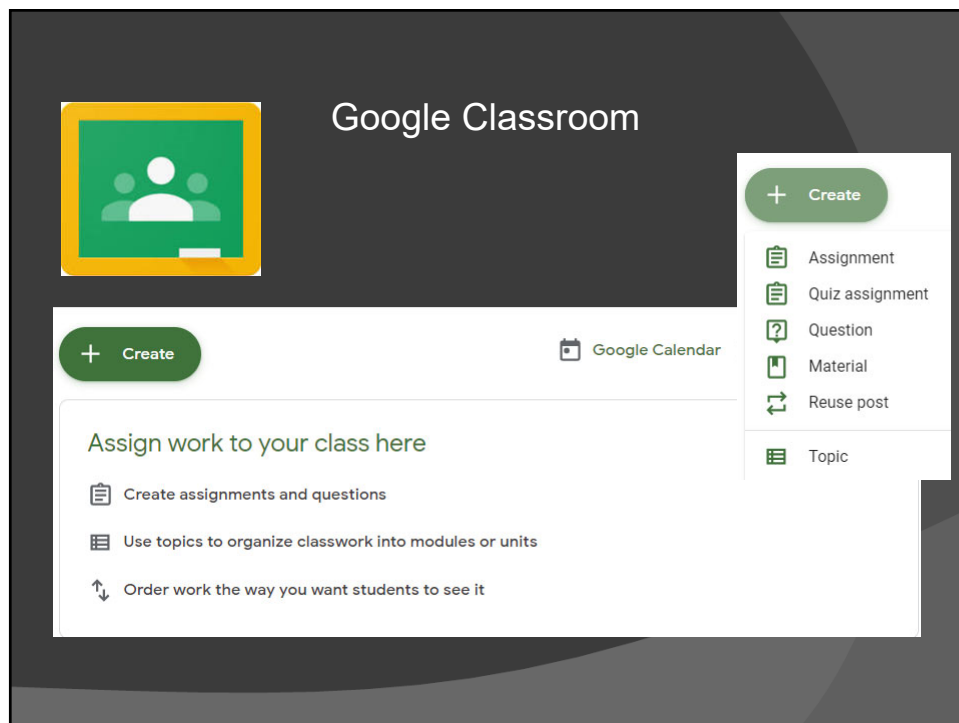
zoom Video Conferencing

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Make this a classroom experience!

- ◉ How about Zoom or Skype?
- ◉ Minimize synchronous instruction
- ◉ Live instruction, a limited part of the instruction for the upper level student.
- ◉ Multiple children in families, one computer
- ◉ Must have the ability to record
- ◉ Recordings are large, hard to manage.
- ◉ Short recorded segments could be used in a unit or lesson. **Should not be the primary delivery mechanism.**

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The screenshot shows a Moodle course page for 'Introduction to English'. The top navigation bar includes 'STREAM', 'CLASSWORK', and 'PEOPLE'. A 'CREATE' button is visible. The main content area features three topic sections: 'Basic English Conversation', 'English Food Vocabulary', and 'English Family Vocabulary'. The 'Basic English Conversation' section contains two posts: 'Conversation with Another Student' (due Sep 14, 11:59 PM) and 'Why is it important to improve our English skills?' (no due date). Both posts are dated 'Posted Sep 6'. The 'English Food Vocabulary' and 'English Family Vocabulary' sections note that 'Students can only see topics with published posts'.

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The screenshot shows a Moodle course page for 'Romeo and Juliet Sample Unit'. The top navigation bar includes 'Moodle Demo home' and 'Romeo and Juliet'. The user is logged in as 'Sam Student'. The left sidebar contains links for 'Online Users', 'Activities' (Assignments, Forums, Quizzes, Resources), and 'Administration' (Enrol me in this course, Profile). The main content area features a 'Topic outline' with a 'Welcome to English 9!' message and a photo of a building. Below this is a 'General Information' section with links to 'Course Syllabus or Overview Goes HERE' and 'Welcome and Instructions for Visitors'. The 'Romeo and Juliet' section includes 'Introductory Discussions' (Primary Document for Parenting Advice Forum, Seventeenth Century "Advice to Parents"), 'Assignments and Handouts' (Prologue Assignment, Shakespeare's Biography, Performance Requirements, Character Analysis Assignment), and 'Quizzes'. A 'Calendar' widget on the right shows the month of October 2009. A 'Credits' section at the bottom right states: 'This course was developed, taught and donated by Lesli Smith http://moodlerooms.com/'.

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Assessment

- What is collected and graded, at least for completion, to hold the student accountable for their learning?
- May or may not receive a letter grade

Homework

- Similar to what they would have given in school. Same objectives.

Time spent “in school” is roughly similar to a “Delayed Start” day. School starts at 10 am.

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Nuts of bolts of the program

- Students log in to every class = attendance
- Excuse sick students. Had to make-up work.
- Arrangements made for those w/o Internet
- Tech support provided during the day.
- Students kept copies of work submitted.
- Only CORE PLUS teachers post work.
- Don't forget to add some humor!
- Take care of teachers' needs.
- **Increase communication to parents!**

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Start gradually

- First, teachers brought students to the computer lab to practice.
- This occurred at least once each new year.
- First two days we had an Online Instruction Day, we gave grace on work completion. This gave parents time to get equipment up to speed or make other arrangements. Helped teachers get comfortable.

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What can you do now to prepare?

- Make choices about LMS, environment
- Train teachers on the basics.
- Create practice lessons.
- Have students go to computer lab, log in, complete work.
- Try a similar activity from home, find the “bugs,” and those who lack equipment.
- Create working groups
- Practice computer skills

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Success!

- Takes maintenance, training teachers so skills keep growing
- New teachers must be trained
- Positively impacted technology integration and students' technology skills ALL YEAR LONG!
- **KEY**...must be real instruction!
- Great option for all types of emergencies!

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