This WTTW CAB presentation provides information about educational resources within the PBS network.

It is a self guided tour. Please click to advance to the next slide.
Missed Chicago Tonight? Watch complete, archived episodes online.
Information and upcoming events

Online and video information

Events

- Check, Please! presents 2012 Taste of Chicago "Popup Restaurants" WTTW is proud to partner with Taste of Chicago in a unique way this year. more>
- Join Geoffrey Baer on the 99th floor of the Willis Tower for lunch and a presentation about Chicago's Loop. more>

> View all events

Arts

- A Public Treasure With the wave of an artistic wand Archi-treasures helps Chicagoans brighten up their communities. more>
- Homecoming King Decatur, the Soybean Capital of the World, is trying to plant a different image of itself in people's minds. more>

> View more arts

Kids & Family

- Link of the Week Build-a-Lair with WordGirl! more>
- Video of the Week Get ready for the Super Why "Around the World Adventure." more>

> All kids & family

Watch Online

- Independent Lens Left by the Ship
- American Masters Johnny Carson: King of Night
- Chicago Tonight The Pop Art of Roy Lichtenstein
- Nature Cracking the Koala Code
- NOVA The Great Inca Rebellion

PREVIOUS MORE
Here you’ll find a wealth of programs from...
Find your grade level(s), your subject, and the topic.
Select

A variety of media types

Check out
New 9-12 Resources

Video Analysis: Conservation of Angular Momentum
Source: PBS/OPB Circus
Learn how conservation of angular momentum helps acrobats to flip and twist. Observe how acrobats in the Big Apple Circus tuck their arms and legs in order to spin faster. Details
Tags: 9-12, Science & Tech, Motion & Forces

Video Analysis: Center of Mass
Source: PBS/OPB Circus
Observe how the acrobats in the Big Apple Circus know how to counteract torques and use their centers of mass to stay balanced. Understand that torques act upon the acrobats and could cause them to rotate and fall out of balance. Details
Tags: 9-12, Science & Tech, Motion & Forces

Discussion Topics
- The Arts
- Health & Fitness
- Math
- Reading & Language Arts
- Science & Tech
- Social Studies
- Early Childhood Education
- Homeschooling
- Library Media
- Technology
- Talk to PBS Education

Access, Analyze, Act: From Economic Theory to Financial Reality
Help your students understand the current economic crisis and how it affects them — with standards-based lesson plans, case studies, videos,
Read about and use Activity Packs

Explore

Discussion Topics are in each subject
http://www.teachersdomain.org

Divided into subtopics below

Mathematics:

National K-12 Subject
Arts
English Language Arts
Mathematics
Science
Social Studies

See Also
Professional Development
Resources by Standard
Special Collections

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Number and Operations (6)

+ Algebra (31)

+ Geometry (41)

+ Measurement (51)

+ Data Analysis and Probability (41)
Browse results: Algebra

RESULTS 1-20 OF 29  SHOW 20 | 50 | 100 PER PAGE

RESOURCE

From Patterns of Input and Output to Algebraic Equations
Students explore the relationship between input and output values and learn to use algebraic expressions and equations.

Arrangement 1
The CyberSquad tries to figure out a table arrangement for 20 workers in this video from Cyberchase.
Accessibility features: Transcript

Arrangement 2
In this video segment from Cyberchase, Matt tries for a second time to arrange tables and chairs to accommodate 20 workers.
Accessibility features: Transcript

Arrangement 3
Matt's third table arrangement helps fit all 20 workers at five tables in this video segment from Cyberchase.
Accessibility features: Transcript

Balancing Equations with Multiple Terms
In this video segment from Cyberchase, Digit and Inez must balance two number sentences to save the bunnies of Cyberspace.
Accessibility features: Transcript
<table>
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<tr>
<th>Media Types</th>
<th>Title</th>
<th>Description</th>
<th>Grade Level</th>
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<tbody>
<tr>
<td>Video</td>
<td>Frog Hops, Part 2</td>
<td>In this video from Cyberchase, the CyberSquad must figure out the new input/output pattern on Hacker's larger cyberfrog. Accessibility features: Transcript.</td>
<td>4-8</td>
<td>VIEW</td>
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<tr>
<td>Lesson Plan</td>
<td>The Importance of Patterns</td>
<td>Students are introduced to several geometric shapes, patterns of geometric shapes and numbers and patterns of beats that make up rhythms.</td>
<td>5-6</td>
<td>VIEW</td>
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<tr>
<td>Interactive</td>
<td>Inverse Square Law</td>
<td>This animation from KET’s distance learning physics course demonstrates the mathematical formula for a scientific law as it applies to light.</td>
<td>6-12</td>
<td>VIEW</td>
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<tr>
<td>Video</td>
<td>Lifting with Levers</td>
<td>In this Cyberchase video segment, the CyberSquad figures out how to use a lever to help them remove a stack of heavy objects blocking their path. Accessibility features: Transcript.</td>
<td>3-6</td>
<td>VIEW</td>
</tr>
<tr>
<td>Lesson Plan</td>
<td>Linking Number Patterns and Algebraic Expressions</td>
<td>Students practice using algebraic expressions by recording data from a video segment in which two staircases ascend at different rates. They record the patterns in two-column tables, draw line graphs and write simple algebraic relations.</td>
<td>5-8</td>
<td>VIEW</td>
</tr>
<tr>
<td>Self-paced Lesson</td>
<td>Math in Fashion</td>
<td>Using segments and web interactives from Get the Math, this lesson helps students see how Algebra I can be applied to the world of fashion, challenging them to use algebraic concepts and reasoning to modify garments and meet target price points.</td>
<td>7-10</td>
<td>VIEW</td>
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</table>
PBS IN EDUCATION
PBS LearningMedia: Available to Every Classroom in 2012
As America's largest classroom, PBS and WGBH, along with other PBS member stations, just launched PBS LearningMedia, a new public media education platform available to every teacher and student across the country in time for the 2011-2012 school year. Bringing together the best available high-quality media from 1,500 public media producers and more than 350 local PBS stations. PBS LearningMedia is a next-generation digital media platform for PreK-16 classrooms to help re-imagine classroom learning, transform teaching, and more creatively engage students.
http://pbslearningmedia.org
http://www.pbslearningmedia.org
Websites:

http://www.wttw.com

http://www.pbs.org/teachers

http://www.teachersdomain.org

http://www.pbslearningmedia.org
That's a wrap!

There are lots of ways to support Channel 11. Click the link below to find out more.

Support Home – WTTW