



COMMON CORE

STATE STANDARDS INITIATIVE

PREPARING AMERICA'S STUDENTS FOR COLLEGE & CAREER

10 Tech Tools to Teach the Common Core Standards



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10 Tech Tools to Teach the Common Core Standards

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10 Tech Tools to Teach the Common Core Standards

English Language Arts Standards:

1. **Diigo** - free online research, note taking and annotation tool. Students can read articles online, insert post-it notes to annotate the text, bookmark, highlight and easily share their notes with others. Diigo makes it possible to teach students how to effectively manage digital resources and meet reading standards.



*Note: Educators can upgrade to an education account that has special premium account features provided specifically to K-12 & higher-ed educators. Once your Diigo Educator application is approved, your account will be upgraded to have these additional features:

- You can create student accounts for an entire class with just a few clicks (and student email addresses are optional for account creation)
- Students of the same class are automatically set up as a Diigo group so they can start using all the benefits that a Diigo group provides, such as group bookmarks and annotations, and group forums.
- Privacy settings of student accounts are pre-set so only teachers and classmates can communicate with them. Ads presented to student account users are limited to education-related sponsors.

"Through reading a diverse array of classic and contemporary literature as well as challenging informational texts in a range of subjects, students are expected to build knowledge, gain insights, explore possibilities, and broaden their perspective" (Common Core Standards).

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English Language Arts Standards:

2. Collaborize Classroom - structured online discussion platform with question types that make it easy to teach argument writing, which is prioritized in the standards. With Collaborize Classroom, teachers report 100% participation rates, reduced grading time, high homework completion rates and collaboration both in and out of the classroom.

Of Mice and Men: Do you think George made the right decision when he shot Lennie?

Popularity: 0

[Vote](#)

[Comment](#)

Posted By [C. Tucker](#) Moderator to [High School](#) on 12/02/2011

Vote yes or no and clearly state your position. Focus on 3 reasons why you believe George did or did not make the right decision when he killed Lennie.

Consider the following:

- What options did George have in this moment?
- What might have happened to Lennie if George had not shot him?
- What did George sacrifice in this moment?
- How does George feel about what he did?

Use details and quotes from Steinbeck's novel to support your claims. Once you have posted your rough draft argument essay, read the rough draft essays posted by at least 3 of your peers and provide them with detailed feedback on their writing.



Attachments

Of Mice and Men 1939 Film Version

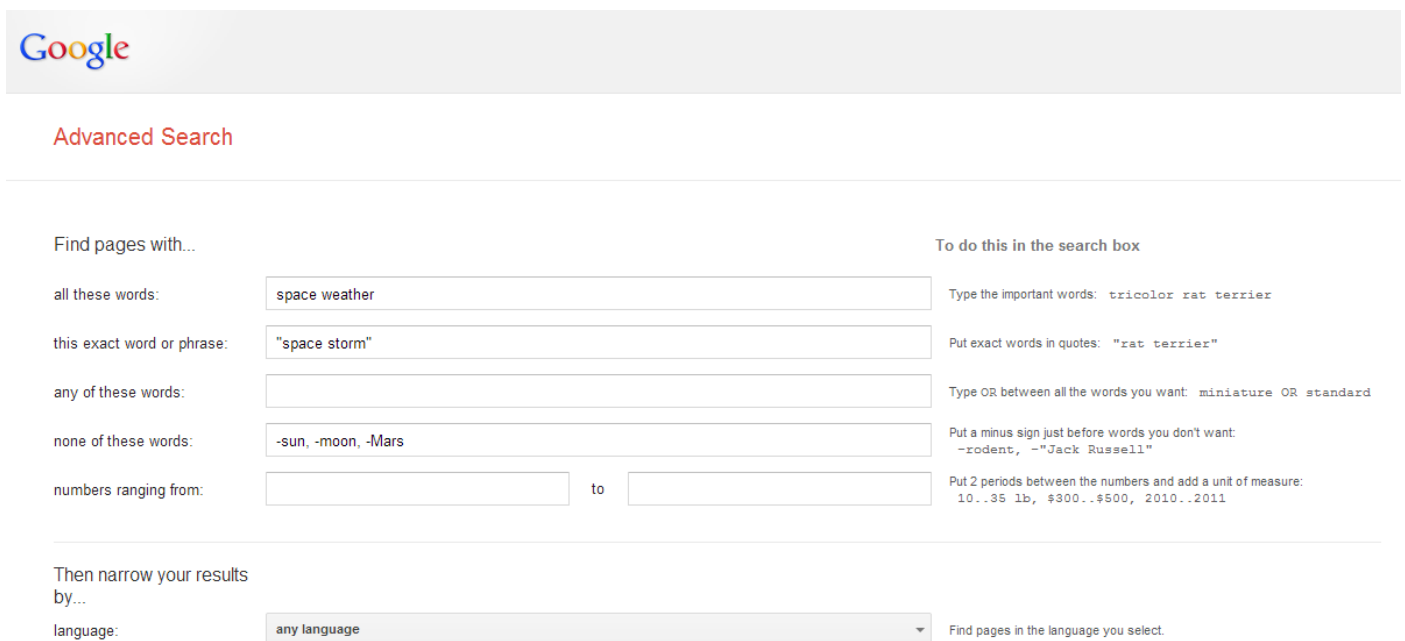


"The ability to write logical arguments based on substantive claims, sound reasoning, and relevant evidence is a cornerstone of the writing standards, with opinion writing—a basic form of argument—extending down into the earliest grades" (Common Core Standards).

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English Language Arts Standards:

3. Google "Advanced Search" - Teach students how to refine their online searches to find more relevant and reliable information. Google Advanced Search is a great tool for research reports and projects for students of all grade levels. For 10 Tips to help your students search smarter, [click here](#).



The screenshot shows the Google Advanced Search page. At the top is the Google logo. Below it is the heading "Advanced Search". The page is divided into two main sections: "Find pages with..." and "To do this in the search box".

Find pages with...

- all these words:
- this exact word or phrase:
- any of these words:
- none of these words:
- numbers ranging from: to

To do this in the search box

- Type the important words:
- Put exact words in quotes:
- Type OR between all the words you want:
- Put a minus sign just before words you don't want:
- Put 2 periods between the numbers and add a unit of measure:

Then narrow your results by...

language: Find pages in the language you select.

"Conduct short as well as more sustained research projects based on focused questions, demonstrating understanding of the subject under investigation. Gather relevant information from multiple print and digital sources, assess the credibility and accuracy of each source, and integrate the information while avoiding plagiarism" (Common Core Standards).

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English Language Arts Standards:

4. **Study Blue** - a free online tool for making flashcards with video and audio elements, taking notes, and preparing for exams. Study Blue is both an online flashcard tool and a mobile app. Teachers can make flashcards for their students to study. Students can quiz themselves and track their learning progress or make flashcards of their own.



"The standards expect that students will grow their vocabularies through a mix of conversations, direct instruction, and reading. The standards will help students determine word meanings, appreciate the nuances of words, and steadily expand their repertoire of words and phrases" (Common Core Standards).

10 Tech Tools to Teach the Common Core Standards

English Language Arts Standards:

5. [Google Docs and Forms](#) - Shared documents are perfect for group collaboration on a piece of writing and for brainstorming ideas. Students can work together simultaneously editing papers, projects, etc. Forms can be used to create specific forms and rubrics to help students provide each other with quality feedback. Teachers can use Google Forms to send out surveys or questionnaires to parents.

High School: Narrative Writing

Please review your score. Let me know if you have any questions or if you need support in any of these areas.

* Required

Orients and Engages the Reader *

1 2 3 4

Needs Improvement ☐ ☐ ☐ ☐ Excellent

Narrative Techniques *

1 2 3 4

Needs Improvement ☐ ☐ ☐ ☐ Excellent

Sequence of Events *

1 2 3 4

Needs Improvement ☐ ☐ ☐ ☐ Excellent

Conclusion *

1 2 3 4

Needs Improvement ☐ ☐ ☐ ☐ Excellent

Organization and Transitions *

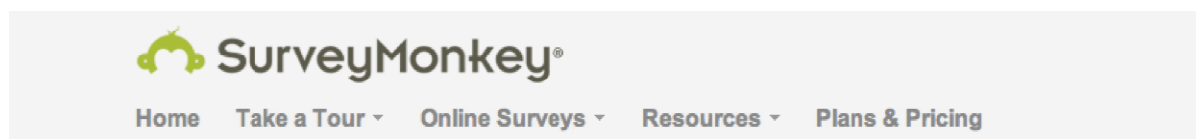
1 2 3 4

"Develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach. Use technology, including the Internet, to produce and publish writing and to interact and collaborate with others." (Common Core Standards).

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Math Standards:

6. [Survey Monkey](#) - free online survey tool. Teach students how to design a survey, collect information, analyze data, and draw conclusions. Teachers can even use Survey Monkey to create quizzes and tests. Survey Monkey is a great tool for teaching about basic statistics and research. This tool allows students to make real world connections to abstract concepts.







School Surveys

Create Surveys for Students, Teachers and Administrators

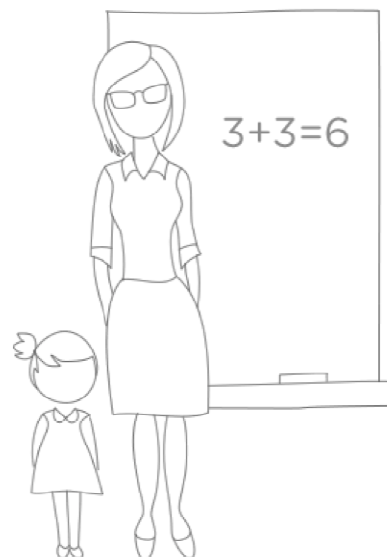
SurveyMonkey's educational survey templates make getting feedback as easy as 1, 2, 3:

- ✓ Select a template that fits your survey requirements
- ✓ Make a few quick edits to customize questions, answers and format
- ✓ Distribute your survey and wait for answers to start rolling in

Top Education Survey Templates:

-  [Public School Survey](#)
-  [University Faculty Satisfaction](#)
-  [University Student Satisfaction Template](#)
-  [Harvard Graduate School of Education Pre K-12 Parent Survey](#)

For educators and administrators, the workday rarely ends after eight hours, so finding the time to get feedback from peers, students and parents can be a challenge.

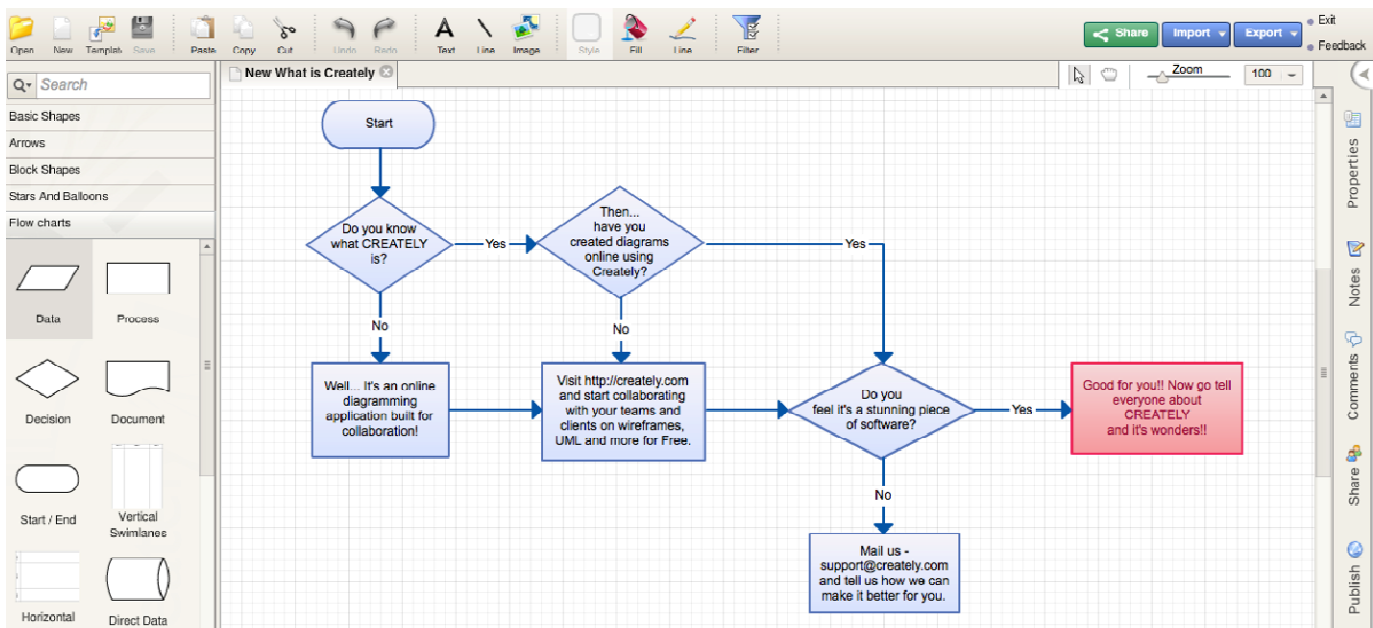


"Understand and evaluate random processes underlying statistical experiments. Make inferences and justify conclusions from sample surveys, experiments and observational studies" (Common Core Standards)

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Math Standards:

7. Creately - is an online tool that makes it easy for you to create, share, and collaborate with data-rich diagrams and infographics. With Creately, students can easily collaborate on projects. You can browse through templates specifically designed for K-12 education. You can find storyboards, Fishbone diagrams, T Charts, Y Charts, Venn Diagrams, and much more.

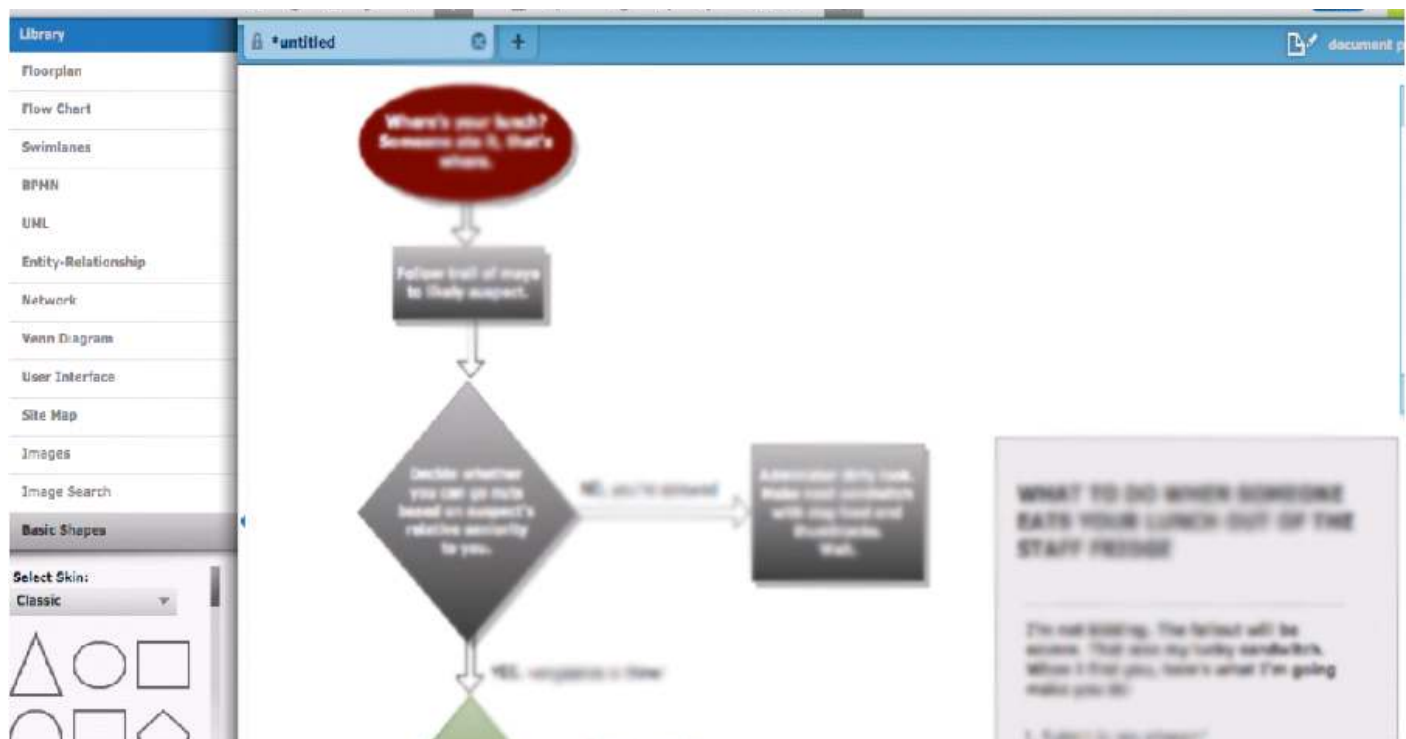


"Diagrams of various kinds, spreadsheets and other technology, and algebra are powerful tools for understanding and solving problems drawn from different types of real-world situations" (Common Core Standards).

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Math Standards:

8. [Gliffy](#) - design, collaborate and share floor plans (great for geometry!), flowcharts, technical drawings and diagrams. Teachers can create a school or a class account and invite their students to view the diagrams and contribute to projects.

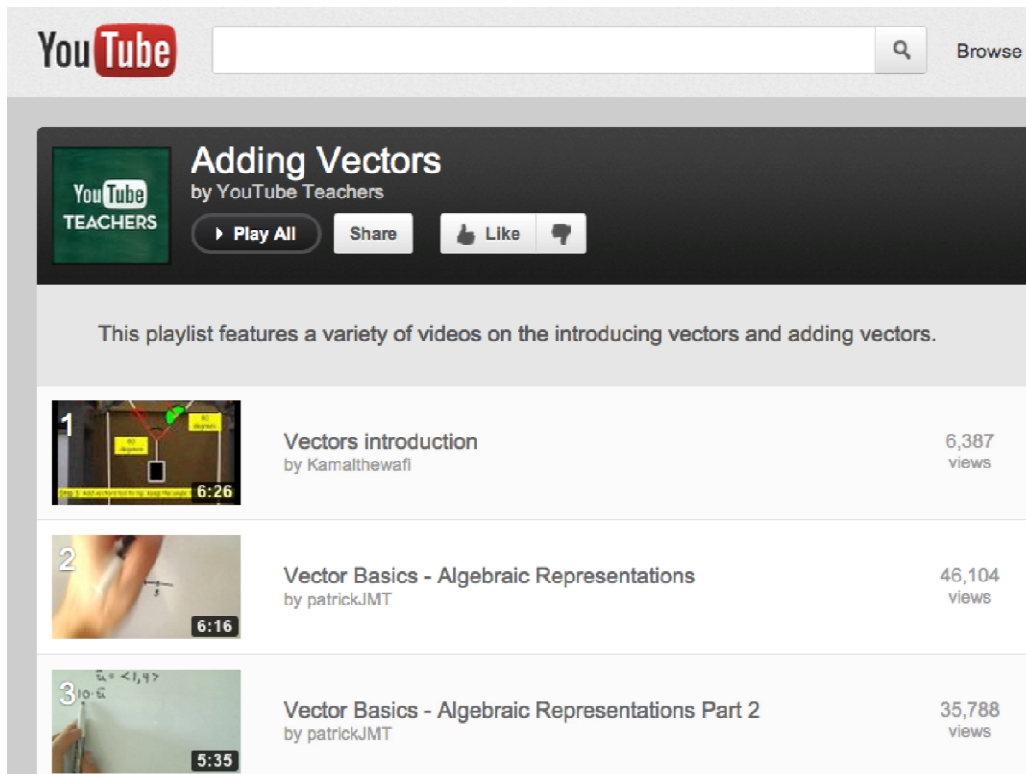


"Mathematically proficient students who can apply what they know are comfortable making assumptions and approximations to simplify a complicated situation, realizing that these may need revision later. They are able to identify important quantities in a practical situation and map their relationships using such tools as diagrams, two-way tables, graphs, flowcharts and formulas" (Common Core Standards).

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Math Standards:

9. [YouTube.com/Teachers](https://www.youtube.com/Teachers) - was created to help teachers use YouTube videos to educate, engage and inspire their students. YouTube.com/Teachers is a part of YouTube's larger educational initiative, YouTube EDU. "Teachers can also sign up to become part of the YouTube Teachers Community, a mailing list that allows them to share ideas and best practices." There is a growing collection of teacher-produced videos on math topics. The videos on the YouTube.com/Teachers page are aligned with the Common Core and are a great resource for students of all grade levels.



The screenshot shows a YouTube interface with a search bar and a 'Browse' button. Below is a playlist titled 'Adding Vectors' by 'YouTube Teachers'. The playlist description states: 'This playlist features a variety of videos on the introducing vectors and adding vectors.' The playlist contains three videos:

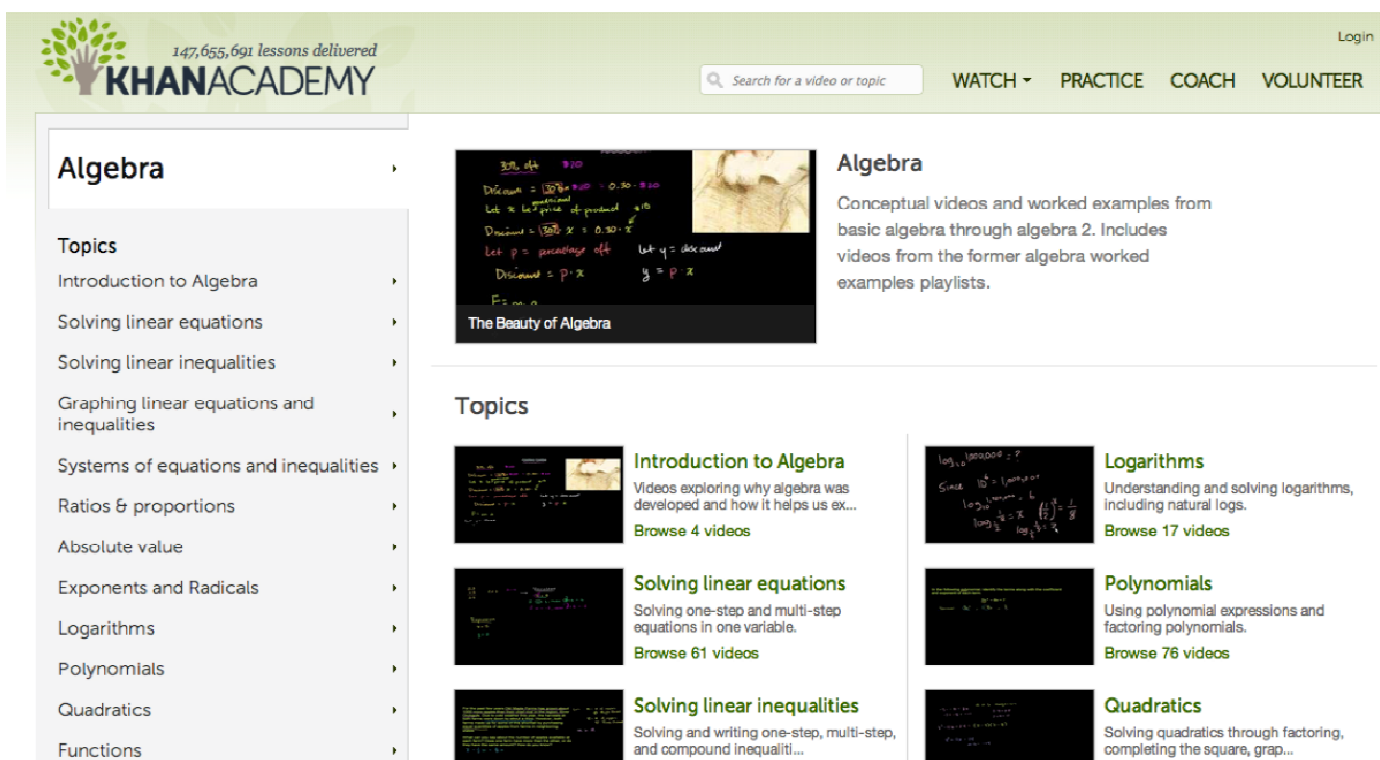
Video Number	Video Title	Creator	Duration	Views
1	Vectors introduction	by Kamalthewafi	6:26	6,387 views
2	Vector Basics - Algebraic Representations	by patrickJMT	6:16	46,104 views
3	Vector Basics - Algebraic Representations Part 2	by patrickJMT	5:35	35,788 views

The math "standards define what students should understand and be able to do in their study of mathematics. Asking a student to understand something means asking a teacher to assess whether the student has understood it" (Common Core Standards).

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Math Standards:

10. [Khan Academy](#) - Thousands of video tutorials explaining mathematical concepts and practice problems available to support students in developing their understanding of math. Students can browse through and find exactly what they're looking for from pre-algebra to calculus, Khan Academy has a lot to offer.



The screenshot shows the Khan Academy website interface. At the top, it says "147,655,691 lessons delivered" and "KHANACADEMY". There is a search bar and navigation links: WATCH, PRACTICE, COACH, VOLUNTEER. The main content area is titled "Algebra" and includes a sidebar with a list of topics: Introduction to Algebra, Solving linear equations, Solving linear inequalities, Graphing linear equations and inequalities, Systems of equations and inequalities, Ratios & proportions, Absolute value, Exponents and Radicals, Logarithms, Polynomials, Quadratics, and Functions. The main area displays a video thumbnail titled "The Beauty of Algebra" and a list of topics with video counts: Introduction to Algebra (4 videos), Solving linear equations (61 videos), Solving linear inequalities, Logarithms (17 videos), Polynomials (76 videos), and Quadratics.

"Mathematically proficient students consider the available tools when solving a mathematical problem... They are able to use technological tools to explore and deepen their understanding of concepts" (Common Core Standards).

About the Author

Catlin Tucker is a Google Certified Teacher and CUE Lead Learner. She teaches 9th and 10th grade English language arts at Windsor High School in Sonoma County and has taught online college level writing courses. She spent the 2011-2012 school year on leave finishing her first book, *Blended Learning for Grades 4-12: Leveraging the Power of Technology to Create Student-Centered Classrooms* (Corwin). She is an experienced professional development facilitator and trainer, education consultant, curriculum designer and frequent Edtech speaker. She earned her BA in English from UCLA and her English credential and Masters in Education from UCSB. She is active on Twitter [@CTuckerEnglish](#) and writes an education technology blog at [CatlinTucker.com](#).



10 Tech Tools to Teach the Common Core Standards

BONUS Webinars!

Common Core: Integrating Web 2.0 Technology to Teach ELA Standards



Do you teach English, history, or science? In this webinar, you will learn how you can leverage Web 2.0 technology to effectively teach the Common Core State Standards for your subject area. Catlin Tucker will show how you can engage your students online and help them to develop digital writing, research, communication, and collaboration skills that are necessary for success beyond high school.

Watch this Webinar Now: [Common Core: Integrating Web 2.0 Technology to Teach ELA Standards](#)

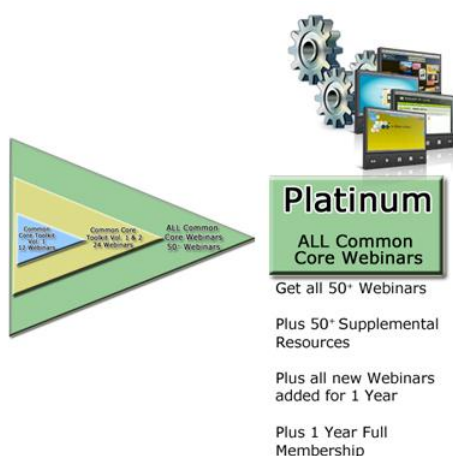
Common Core: Integrating Web 2.0 Technology to Teach Math Standards



The Common Core State Standards for math stress real-life relevance, which creates opportunities for educators to take examples from life to motivate problem solving, critical thinking, effective communication, and collaboration. Students must be able to explain their process and critique the reasoning of others. This is easier to do when students use online tools to explore and discuss mathematical concepts and demonstrate math modeling. Catlin Tucker shares how you can use Web 2.0 technology to actively engage your students and drive higher-order thinking.

Watch this Webinar Now: [Common Core: Integrating Web 2.0 Technology to Teach Math Standards](#)

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