How to use...

Khan Academy

In your classroom

By Ask a Tech Teacher

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2014

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Khan Academy

Vocabulary	Problem Solving
• *Backchannel* • *Coach* • *Dashboard* • *Digital device* • *Energy points* • *Focus* • *Goals* • *Grid* • *Mathematically-proficient* • *Knowledge map* • *Scaffold* • *Spiral* • *Strategically* • *Structure*	• *I didn't do well on pre-test (there's no 'did well' or 'did poorly'. This is a baseline)* • *Can't move ahead (all that's required to succeed is that you keep trying)* • *I need more help (use videos, examples, classmates)* • *How do I create a teacher account (KA calls it a 'coach')* • *Can I talk to my neighbor (about KA—of course)* • *Can I use a calculator (ask your teacher)* • *Can I explore ahead (of course)*
Time Required *30 min., repeated*	**NETS-S Standards** *2d, 3c, 4b*

Materials

- Backchannel device
- Links for online resources
- Working digital device to access Khan Academy
- YouTube access
- Paper, pencil, note-taking materials
- Calculator—if appropriate

Essential Question

How do I teach myself?

Overview

Summary

This is an ongoing lesson to help students learn how to solve their own problems and teach themselves math.

Big Idea

Learning doesn't require a teacher. Learning requires curiosity and a passion for thinking.

Teacher Prep

- Have links on class internet start page (or where you collect links).
- This lesson can be done in the classroom or tech lab. Consider co-teaching.
- Something happen you weren't prepared for? No worries. Common Core is about critical thinking and problem solving. Show students how you fix the emergency without a meltdown.

Steps

_____**Required skill level: Enthusiasm and passion for thinking.**

_____Before beginning, put backchannel device onto Smartscreen (Today's Meet, Socrative, class Twitter account, GAFE form page) to track student comments throughout class.

_____Khan Academy reaches 6 million students a month, in virtually every major language. It can be used as enrichment, integrated with class inquiry, provide pre-test math review, homework, or as part of the pursuit of student interest (i.e., Genius Hour).

_____Khan Academy doesn't judge. Wherever student is, is fine. KA reaches student where s/he is, not where teacher is. Each student can be at a different point in learning, working at their own pace, and that is good. It is an organic differentiation tool.

_____Be sure you have buy-in from all stakeholders—school admin, grade-level math teachers. Take time to inform and educate them on this approach to teaching math, then answer all of their questions. Both groups may be overwhelmed by the massive changes in teaching and the use of technology to accomplish math goals. Be sensitive to this. Accommodate their concerns.

_____The same will be true of parents. Take time to educate them on what Khan Academy means to their child's math. Get them involved in supporting the change.

_____Using Khan Academy, teachers can:

- *Flip classroom—have students learn material independently while teacher acts as coach*
- *Personalize what's available to each student*
- *Track student progress toward their individual goals*

Common Core

CCSS.ELA-Literacy.CCRA.L.7-8,10
CCSS.ELA-Literacy.CCRA.W.1,5-9
CCSS.ELA-Literacy.SL.6.1a-d
CCSS.ELA-Literacy.SL.6.4-6
CCSS.ELA-Literacy.L.6.4,6
CCSS.Math.Practice.MP1-8
CCSS.ELA-Literacy.RL.6.4,7
CCSS.ELA-Literacy.RST.6-8.1,3,4

_____It is an inquiry-based tool especially suited to math instruction, but also science, history, economics, more.

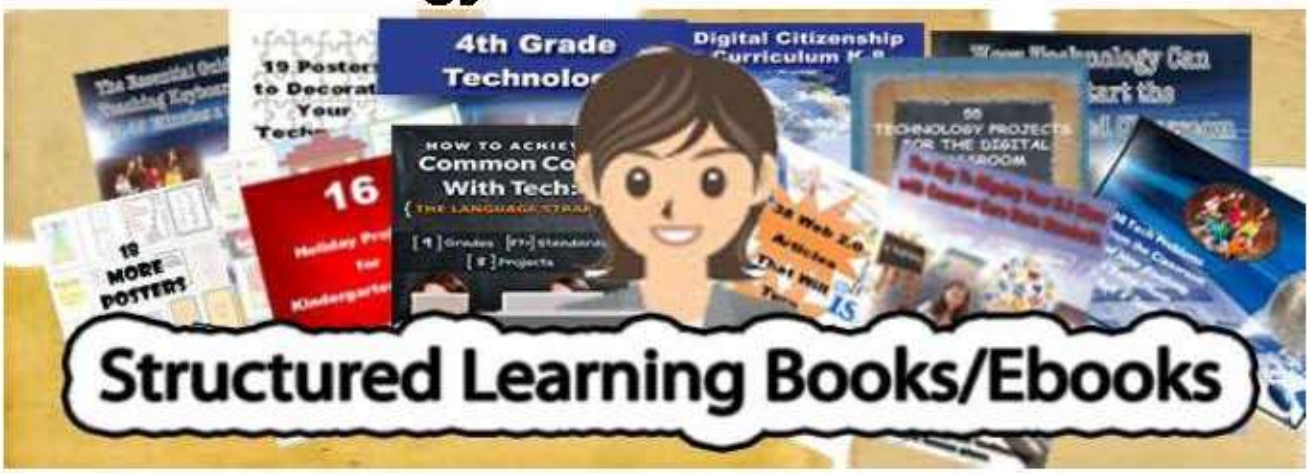
_____Khan Academy is self-paced so students take ownership of their knowledge. They move on when ready, and in the safety of the lesson. For example, there is pressure to learn variables by Friday's test. Test day is when student's done.

Intentionally truncated for preview

Other Singles from Structured Learning

- Bridge Building
- Debate
- Gamification
- Genius Hour
- Google Apps
- Service Learning
- Write an Ebook

SL Technology Books for Your Classroom



Which book	Price (print/digital/ Combo)	How Many
K-8th Tech Textbook (each)	*$29.99-32.99/23.99-26.99/48.58-53.99+p&h*	
K-6 Combo (all 7 textbooks)	*$190.74/$153.84/$344.57 + p&h*	
K-8 Combo (all 7 textbooks)	*$246.52/$200.62/$447.14+ p&h*	
35 More Projects for K-6	*$31.99/25.99/52.18 + p&h*	
55 Tech Projects—Vol I, II, Combo	*$32.99 /$59.38–digital only (free shipping)*	
K-8 Keyboard Curriculum	*$29.95/25.95/50.31 + p&h*	
K-8 Digital Citizenship Curriculum	*$29.95/25.99/50.38 + p&h*	
Common Core—Math, Lang., Read.	*$26.99 ea/72.87 for 3–digi only (free ship'g)*	
K-5 Common Core Projects	*$29.95/23.99/48.55 + p&h*	
16 Holiday Projects	*$14.99 (digital only) + p&h*	
19 Posters for the Tech Lab	*$6.99 (digital only)*	
18 More Posters for the Tech Lab	*$12.99 (digital only)*	
98 Tech Tips From Classroom	*$9.99 (digital only) + p&h*	
760+ Tech Ed Websites	*$14.99 (digital only) + p&h*	
Tech Ed Scope and Sequences	*$14.99 (digital only) + p&h*	
New Teacher Survival Kit (K-5)	*$338.21/$287.85/$567.08+ p&h*	
New Teacher Survival Kit (K-6)	*$370.20/$314.84/$620.16 + p&h*	
New Teacher Survival Kit (6-8)	*$280.83/$261.83/$415.74 + p&h*	
Bundles of lesson plans	*$7.99 and up—digital only (free shipping)*	
Mentoring (1 hr. at a time)	*$50/hr*	
Year-long tech curriculum help	*$100 per year (online)*	
Consulting/seminars/webinars	*Call or email for prices*	
	Total	

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