Make Student Thinking Visible & Engage Learners via Screencasts with Google

bit.ly/screencast110316
Connect with me:

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What is a screencast?

Screencasts are typically short video recordings of what is taking place on the screen of a computer or mobile device.
The Math Problem
Convert the angle $338^\circ$ into radians. (Round to the nearest hundredth of a radian.)

To convert from degrees to radians, you multiply by $\pi$ and then divide by $180^\circ$.

$$338^\circ \times \frac{\pi}{180^\circ}$$

$5.9$
You measured the perimeter of a triangle. It was 20 cm. What could the side lengths be?

\[3 \times 5 = 15\]
\[3 \times 6 = 18\]
\[7 + 7 + 7 = 21\]
\[3 \times 6\]
Let’s STOP & Chat
The FREE Tools
On Web:

FREE Chrome Extensions

○ [Screencastify](link to install) (link to install)
  ■ [Tutorial Slides](link to install)

○ [Nimbus Screenshot & Screen Video Recorder](link to install)
Let's STOP & Play
The Presentation
Practice or Present

PPT

Prezi

Google Slides
Formative Feedback by Students
Read your essay aloud
- Discover mistakes
- Make changes
- Hear your essay aloud
- Verbal notes

Read your peer’s essay & give feedback!
- Insert comments as you speak
- Give more feedback than just “capitalize”

Pause, reflect, change, & keep watching!
Practice your presentation

Watch your peer’s presentation & give feedback!

Prezi
Google Drawings + Drawing Tools of Screencastify
Let's STOP & Play
Objective: Read your essay to catch mistakes!

1. Click on this link to a Sample Student Essay.
2. File > Make a copy of the essay.
3. Open the Google Doc essay in MoveNote.
4. Record yourself reading the essay (or part of it) as though you were a student.

Important Note:
This is just a fun practice activity to simulate an activity with your students...you don’t have to show it to anyone! :)

edtechteacher
Objective: Practice your presentation before you present in front of your peers!

1. Click on this link to a Sample Student Presentation.
2. File > Make a copy of the presentation.
3. Open the Google Doc essay in MoveNote.
4. Record yourself talking through the presentation (changing the slides as you go) to practice presenting the information.

Important Note: This is just a fun practice activity to simulate an activity with your students...you don’t have to show it to anyone! :)
Objective: Discuss a math problem in Google Drawings.

1. Click on this link to a Sample Student Math Drawing.
2. File > Make a copy of the drawing.
3. Open the Google Drawing in MoveNote.
4. Record yourself discussing the math activity in the drawing.

Important Note: This is just a fun practice activity to simulate an activity with your students...you don’t have to show it to anyone! :)
Formative Feedback by Teachers
Give Feedback to Students

- Student Essays
- Presentations
- Any digital work!
Record Student Activities
Record Group Work

- Literature Circles
- Problem Solving
- Group Creation

Benefits include:

- Clone the Teacher
- Accountability
- Perspective into student thinking
- Understand their process
Record Individual Work

- Students can reflect on ANY student work

- Student Thinking becomes visible:
  - What do they understand?
  - What are they missing?
  - Where do they need more help/remediation?
Audio Journals or Notes

- Students journal verbally and record
- Students verbally process information
- Students screencast over teacher content slides to reinforce & learn
Screencasting BY Teachers
Augment the Home-School Connection

- Text vs. Face-to-Face Communication
- Teacher Voice is KEY!
- *Truly Explain* (your ideas & rules, expectations, etc.)
CLONE the Teacher/Help the Absent Student

- Record lessons for a substitute teacher to show when you are absent
- Make lessons available for students who missed class
September 1, 2014

Dear Parents,

Welcome to 1st Grade! I am so excited to have your children in my class this year, and I know we are going to have a great year! For those of you I haven’t met before, I’d like to introduce myself. My name is Jenny Smith, and I have been a teacher at Brookstone Elementary School for 10 years. I have 3 children, ages 12, 9, and 7. I am thrilled to be able to teach your child this year. For as long as I can remember, I’ve enjoyed working with children to help them learn.

In order to create a positive learning environment, I have developed a classroom discipline plan with specific expectations for all students. Everyone in the classroom will work together as a team to achieve our learning goals with few interruptions. The plan below outlines the classroom rules, positive rewards, and consequences for appropriate and inappropriate behavior.

My classroom expectations:
- Tread others as you would like to be treated.
- Expect the best.
- Ask before acting.
- Minds on.
- Wait at all times.
- Offer to help.
- Remember the signals: quiet, question, bathroom, water, etc.
- Keep hands and feet to yourself.

Please don’t hesitate to contact me if questions arise. I’d love to meet you before parent-teacher conferences in October!

Sincerely,

Mrs. Smith
Help Make Sense of Online Interfaces

- Teacher Blogs or Websites
- Online Newsletters
- School Websites
- Learning Management Systems
Share Presentations

- Parent Night/Open House Presentations
- Curricular Materials – content
Explain Directions

- Big Projects
- Important School Events
- Rubrics, expectations, etc.
Utilize Screencasting to FLIP Learning

- Present your content
- Maximize the Power of Pause - Rewind - Replay
- Organize & Archive
- Further connect with parents
Let’s STOP & Play
On iPad:

- Explain Everything
- Educreations
- Mirror to MacBook
On MacBook:

- Quicktime
- FREE Chrome Extensions
- Paid Software
  - TechSmith’s Snagit
  - TechSmith’s Camtasia
On Windows:

- **FREE Chrome Extensions***
- **Paid Software**
  - TechSmith’s Snagit
  - TechSmith’s Camtasia

*Explained on next slide*
On Chromebook:

FREE Chrome Extensions*

- **Screencastify**
- **Nimbus Screenshot & Screen Video Recorder**
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Join me:

Want to present? Call for Proposals is NOW Open! (Submit soon...closes November 28, 2016!)