Screencast-O-Matic & Zoom: Creating Videos for Student Learning

Presented By:
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Who is IMSA? The Illinois Mathematics and Science Academy, or IMSA, is a three-year residential public secondary education institution in Aurora, Illinois, with an enrollment of approximately 650 students. Enrollment is generally offered to incoming sophomores, although younger students who have had the equivalent of one year of Algebra and a 9th grade science equivalent are eligible to apply. All applicants undergo a competitive admissions process. Due to its nature as a public institution, there are no charges related to tuition, room and board; however, there is an annual student fee which may be reduced or waived based on family income. IMSA has been consistently ranked by Newsweek as one of the top ten high schools in the country for math and science, and some of its graduates have moved on to become leaders in a variety of fields. It is the top-rated public high school in Illinois on Niche.com.

Mission: To ignite and nurture creative, ethical, scientific minds that advance the human condition.

Who is the IMSA Center for Teaching and Learning? IMSA offers professional development sessions on mathematics, science, technology, and pedagogy for pre-service and in-service educators and administrators. These professional development opportunities align with IMSA’s signature strategy of learning: Inquiry-Based, Problem-Centered, Competency-Driven and Integrative. Professional learning opportunities include events held at IMSA, sessions presented at conferences, and workshops delivered in schools across the state and beyond. Educator workshops can be customized to meet any school’s specific needs.
Learning objectives for this webinar:

- Discover how teachers can use Screencast-O-Matic or Zoom to create videos to assist student learning
Benefits of Teachers 
Creating Lesson/Lab Videos 
for Student Learning

• Provides teachers w/ the opportunity to teach lessons remotely.
• Allows students to work at their own pace.
• Helps absent students keep up w/ class concepts
• Supports students who have difficulty reading or following written directions.
Screencast-O-Matic and Zoom: Creating Videos for Student Learning

1) Create a video via Screencast-O-Matic
   i) Example
   ii) Directions

2) Create a video via Zoom
   i) Example
   ii) Directions

3) Things to Consider
Go to https://screencast-o-matic.com/ (set up an account or log in)

Video creation for everyone.

At Screencast-O-Matic, we don't believe that video recording and editing should be difficult, or cost a fortune. Our simple and intuitive tools help you get the job done easily.

Start recording for free  Try our video editor

Screencast-O-Matic Directions
Shared by Kelly Remijan
@Teachers4STEAM
After creating Screencast-O-Matic Account: Click “Start recorder for free”
Click “Launch Free Recorder”

Screen Recorder

With our free and easy-to-use screen recorder, you can capture any area of your screen with the option to add narration from your microphone and video from your webcam. Sharing your ideas has never been easier!

Available on Chromebook, Mac, and Windows.

Launch Free Recorder

Screencast-O-Matic Directions
Shared by Kelly Remijan
@Teachers4STEAM
Once you launch the recorder, a dashed rectangle will appear.
SIDENOTE:
Screencast-O-Matic
will record your screen, by default,
but it also has the option of
making videos with a webcam
or with both the screen and webcam.
Fuel Impacts Weight as a Force

(Fuel Agent/Technician/Distributor)

Problem:

Fuel weight can be calculated:
If 1 gallon of fuel = 6 lbs, find the weight of 70 gallons of fuel. (set up proportion)

NOTE: A plane will weigh more at take-off than at landing.
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When the area to be recorded is outlined by a dashed rectangle & you are ready, click “Rec”

**Fuel Impacts Weight as a Force**

(Fuel Agent/Technician/Distributor)

**Problem:**

Fuel weight can be calculated:

- If 1 gallon of fuel = 6 lbs,
- find the weight of 70 gallons of fuel.

(set up proportion)

**NOTE:** A plane will weigh more at take-off than at landing.
If you want to pause/stop your recording, click the pause button....

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(Fuel Agent/Technician/Distributor)

Problem:

Fuel weight can be calculated:

If 1 gallon of fuel = 6 lbs,
find the weight of 70 gallons of fuel.
(set up proportion)

\[
\frac{1\text{ gal}}{6\text{ lbs}} = \frac{70\text{ gal}}{x\text{ lbs}}
\]

\[x = 420\text{ lbs}\]

TE: A plane will weigh more at take-off than at landing.
If you are done with your video, click “Done” and “Save/Upload”

Fuel Impacts Weight as a Force

(Fuel Agent/Technician/Distributor)

Problem:
Fuel weight can be calculated:
If 1 gallon of fuel = 6 lbs,
find the weight of
70 gallons of fuel.
(set up proportion)

1 gal = 70 gal

NOTE: A plane weighs more at take-off than at landing.

[Image of fuel tanker truck and aviation logo]
Recommendation: “Save As Video File”

Then, click “Publish”
Once you receive a green check, click “Browse Folder” to confirm the location of your Video File.
Click “Done”
Screencast-O-Matic and Zoom: Creating Videos for Student Learning

1) Create a video via Screencast-O-Matic
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2) Create a video via Zoom
   i) Example
   ii) Directions

3) Things to Consider
Ex: Clip of Video Lesson w/ Dynamic Software Using Zoom

https://digitalcommons.imsa.edu/covideos_19_webinars/2/
Kelly Remijan (@Teachers4STEAM)
If you already use Zoom and you know how to share your screen, you can make a video!

If you have not used Zoom before, check out: https://youtu.be/1t7W21Bmkbl
Hover over the Green Bar
Hover over “More”, click “Record on this Computer”
Zoom will record your screen, video, & sound...
Click “Pause Recording” or “Stop Recording”
When finished, hover over “More”, & click “End Meeting”
Click “End Meeting for All” or click “Leave Meeting”
Zoom will automatically convert your Recording to a Mp4.
The Mp4 file will automatically be saved in a Sub Zoom Folder Under “Documents” on your PC
Things to Consider

• Have students make their own videos using Screencast-O-Matic or Zoom
  – Allows students to share their learning with others
  – Helps the teacher to confirm/assess student learning

• If you are a math teacher, consider using a touch screen (I use a Surface Pro & Pen Stylet).
After you or your student have created a video, share the video via a Google Link or YouTube.

If you need additional help on how to do this, check out two other videos I created:

Google- [https://youtu.be/ca4N4hFx6bU](https://youtu.be/ca4N4hFx6bU)

YouTube- [https://youtu.be/5e_Qk1YC7oc](https://youtu.be/5e_Qk1YC7oc)
QUESTIONS now?
Please share in the Chat Box.

If you have QUESTIONS or NEED HELP later?
Email: kremijan@imsa.edu
to set up a time
to meet 1:1 via Zoom
OR
Make an appointment with another specialist to meet 1:1 via Zoom
https://www.imsa.edu/educator-development/e-teaching-resources/
A PDF of instructions will be provided via a link found within the chat box.

This webinar recording and PDF of instructions will be posted online at: http://digitalcommons.imsa.edu/covideos_19_webinars/6/

Your feedback is appreciated. Please complete a short online survey at: https://tinyurl.com/umdkyau
Additional resources:

   Ex of Video via Screencast-O-Matic: https://youtu.be/eAemsTW0wY4

2. Zoom: https://zoom.us/
   Intro to Zoom: https://youtu.be/1t7W21BmkbI
   Ex of Video Via Zoom: https://bit.ly/2JOu2UR

3. How to Share a Video:
   Via a Google Link: https://youtu.be/ca4N4hFx6bU
   Via a YouTube Link: https://youtu.be/5e_Qk1YC7oc
Please join us for another upcoming “19 Minute” Webinar:

April 13th – Using Kahoot! for Assessments
April 14th – Bringing the Lab Home: Simulations for Science & Math
April 15th – Making Use of Chrome Music Lab

Register at: www.imsa.edu/educator-development/e-teaching-resources/

Thank You For Attending!
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