

Flipped Classrooms and Visual Vocabulary

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Agenda

- Icebreaker
- Who are we?
- What is a flipped classroom?
 - Why should we flip it?
 - How?
 - Making the videos
 - Uploading
 - Examples
- Visual Vocabulary
 - What is it?
 - How?
 - Examples

Stand Up - Sit Down



Who Are We?



Lexi Porter



Shari
Solomon-Klebba

What Is A Flipped Classroom?

Traditional

Lecture in class

Practice, paperwork,
bookwork, projects at
home

No support



Flipped

Lecture captured on
video

Students watch at home

Practice, projects,
activities in the
classroom with support



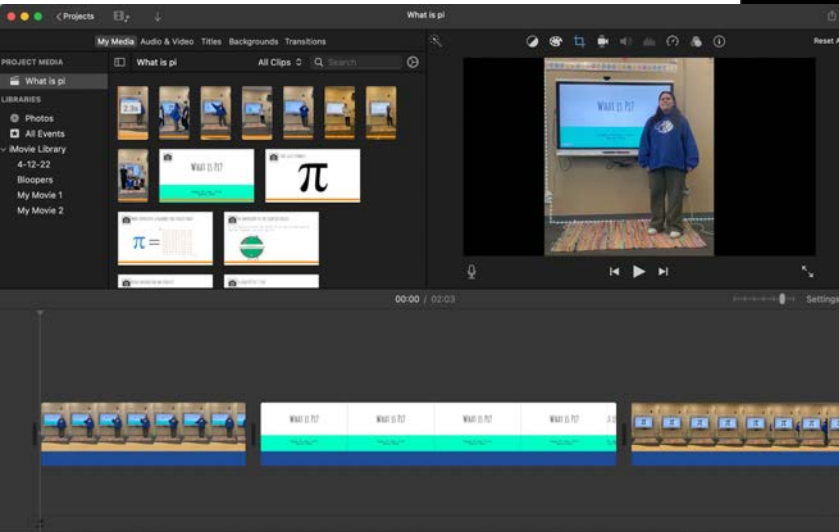
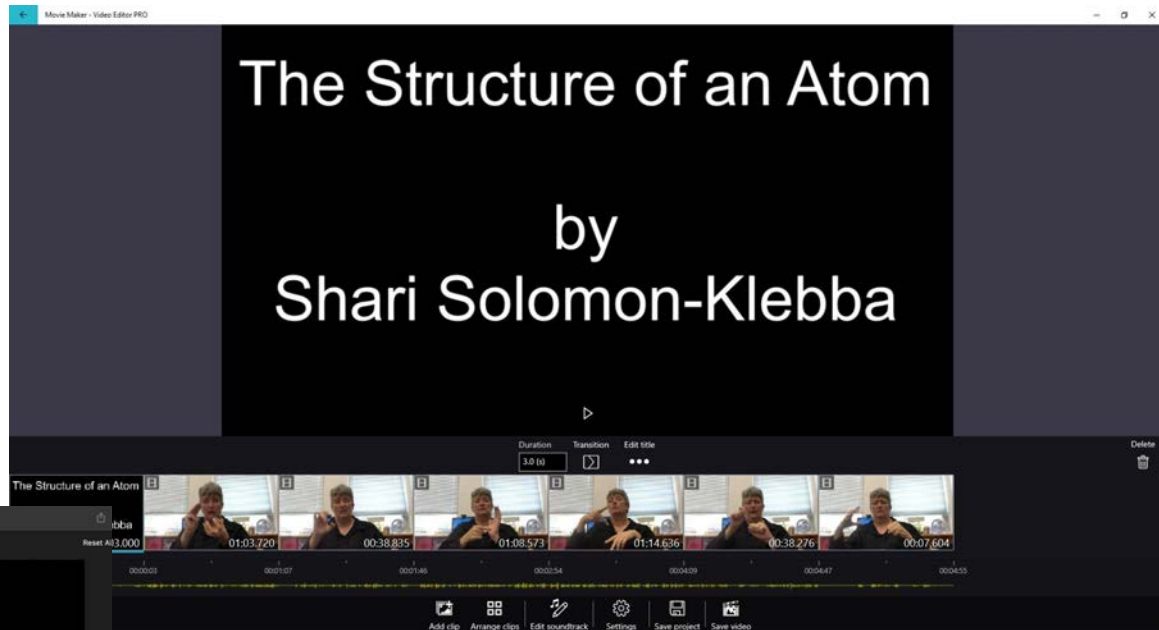
Why Did We Decide To Flip?



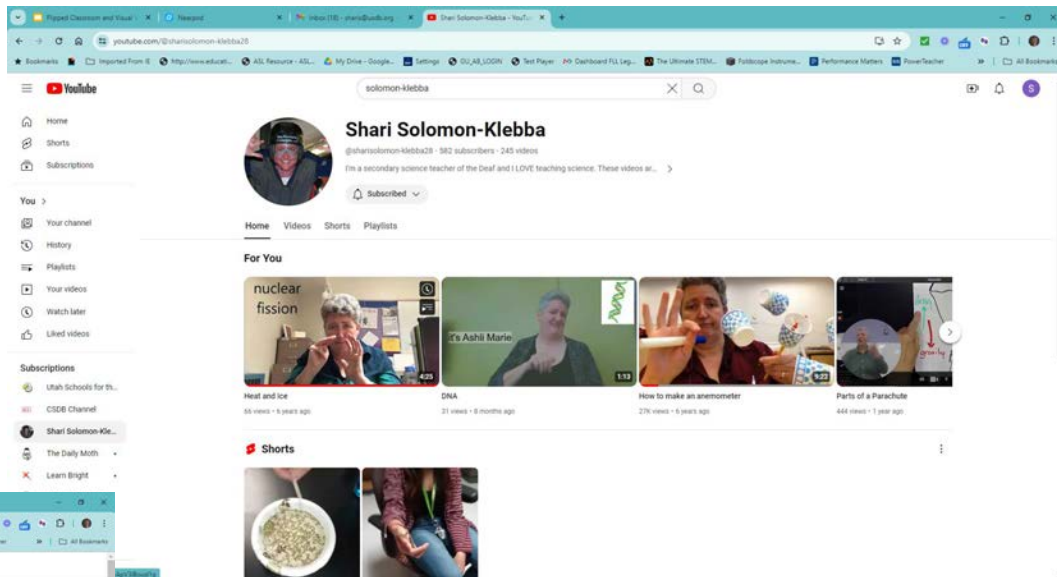
How We Have Been Flipping Our Classroom Over The Years?



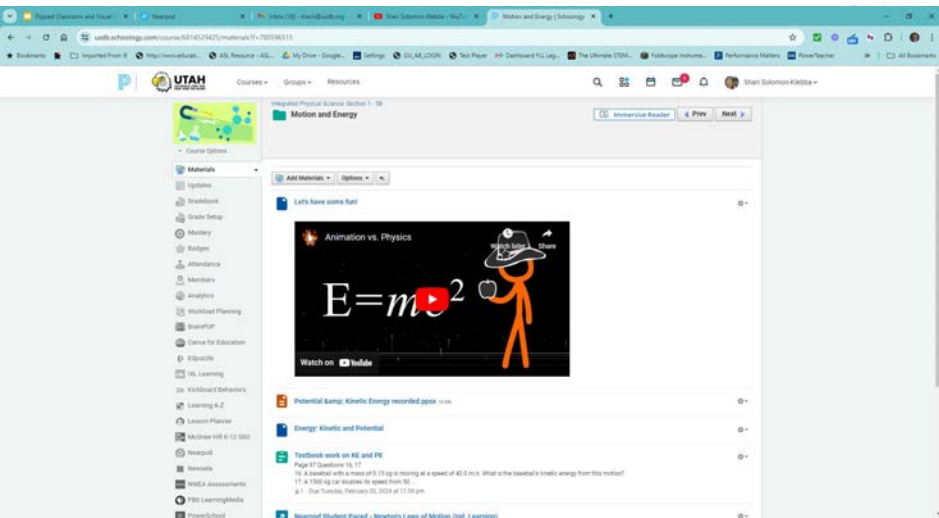
Making The Videos



Uploading The Videos



The screenshot shows the YouTube channel page for Shari Solomon-Klebba. The channel name is "solomon-klebba" and the profile picture shows a woman wearing a hat. The channel description reads: "I'm a secondary science teacher of the Deaf and I LOVE teaching science. These videos are...". The channel has 382 subscribers and 243 videos. The "For You" section displays four video thumbnails: "nuclear fission" (55 views, 6 years ago), "DNA" (21 views, 8 months ago), "How to make an anemometer" (27k views, 6 years ago), and "Parts of a Parachute" (444 views, 1 year ago). The "Shorts" section shows two video thumbnails.



The screenshot shows the Canvas LMS interface for a course titled "Motion and Energy". The course is part of "Integrated Physical Science Section 1". The page displays a list of materials, including "Let's have some fun!" and "Animation vs. Physics". The "Animation vs. Physics" material features a video thumbnail with the equation $E=mc^2$ and an orange stick figure holding a hat. Below the video, there are sections for "Potential Ramp: Kinetic Energy recorded.gzip", "Energy: Kinetic and Potential", and "Textbook work on KE and PE". The "Textbook work on KE and PE" section includes a page of questions and a due date of February 20, 2024 at 11:59 pm.

Science Videos

Don't laugh!



Some Math Examples

March Madness Odds Explained



Solving Equations

Two-Step Equations

$$4p + 10 = 70$$

Visual Vocabulary

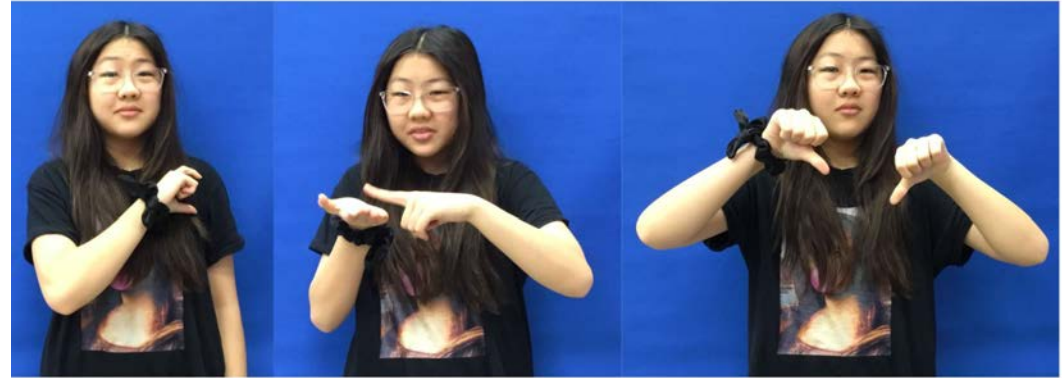
Make students responsible for making vocabulary their own
Incorporate their vocabulary into your videos

Science Vocabulary Examples

[Forensic Science Vocabulary](#)

[Physical Science](#) Edpuzzle

[Atoms Vocabulary](#)



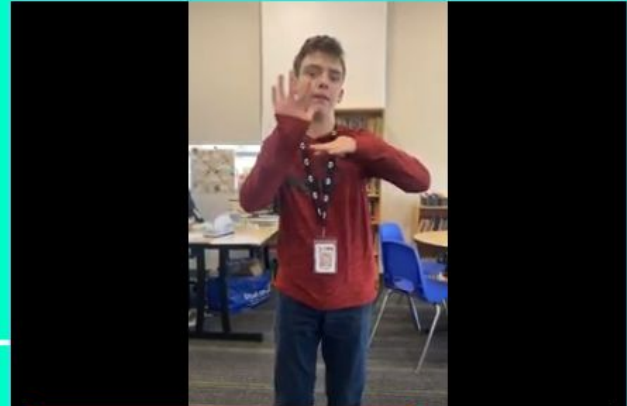
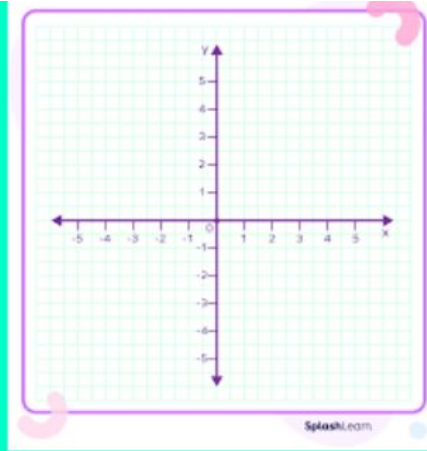
Forensic Science

Vocabulary Examples

Graphing Vocab

COORDINATE PLANE

Grid tool used for graphing points, lines, and other objects.



How to make students accountable



Other possibilities

Safe?

Not Safe



Other possibilities

The screenshot shows the Nearpod dashboard. At the top, there is a search bar with the text "Search by topic or standard" and a "Quick Launch" button. On the left, a sidebar contains navigation options: "My Lessons", "My Profile", "Reports", "Sub Plans", "Shared Libraries", "School Library", "District Library", "Nearpod Programs", "21st Century Readiness", "Nearpod Content", "Nearpod Library", "College & Career Exploration", and "Resources". The main area is titled "My Lessons" and features a "Create" button and a search bar. Below this, there are "Folders" for various subjects: Biology (10 lessons), Earth Science (10 lessons), Forensics (10 lessons), HS Science (10 lessons), Physical Science (10 lessons), and SPED Science (10 lessons). A "Lessons" section displays a grid of lesson cards with titles like "What Happened to the Dinosaurs?", "Motion and Force", "Newton's Laws of Motion (incl. Learning)", "Plate Tectonics", "How to Lift Fingerprints", "What is a Natural Disaster?", "Physical & Chemical Weathering", "Weather Instruments", "Welcome Back to School", "Marine Biomes", "Types of Birds", and "North American Biomes".

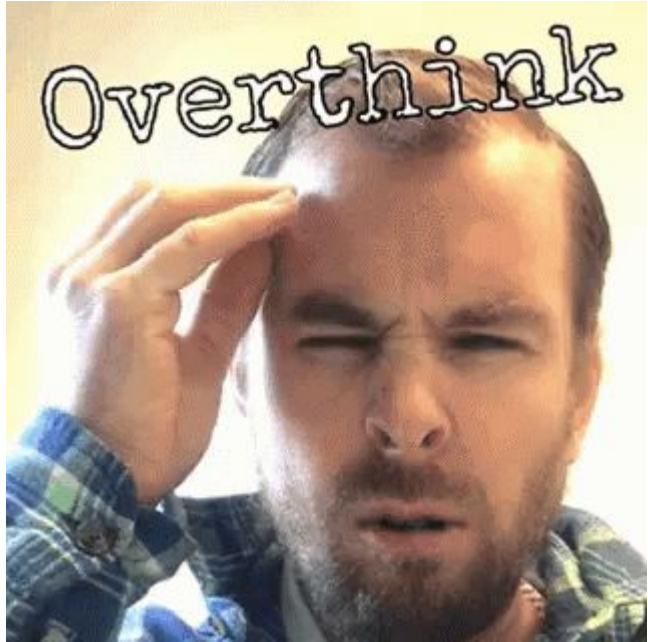
The screenshot shows the LUNAPIC web interface. At the top, there is a navigation menu with options: "Upload", "File", "Edit", "Adjust", "Draw", "Borders", "Filters", "Effects", "Art", "Animation", and "Help". The main area is titled "LunaPIC > Animation > Sunburst" and features an "Upload your photo for sunburst" section. This section includes a "Choose File" button (with "No file chosen" below it) and an "Upload" button. Below this, there is a text input field for "or, open URL: http://" and a "Go" button. A list of instructions follows: "Use LunaPIC to Sunburst your image!", "Use form above to pick an image file or URL", and "In the future, access this tool from the menu above LunaPIC > Animation > Sunburst". At the bottom, there is an "Example of Sunburst tool" showing a cartoon penguin wearing a blue hat and scarf, set against a bright yellow and orange sunburst background.

The screenshot shows the SignSnap application interface. On the left, there is a "SignSnap" logo and a "Select Video" button. Below the button, it says "Or drag the file name". On the right, there is a video player showing a man in a dark shirt making a hand gesture. The video player has a "Pause" button and "Snaps Only" text. At the bottom, there is a video progress bar showing "0:02 / 5:40" and a "CC" button.

Advantages of flipping



Difficulties



Application in Other Content Areas

Math

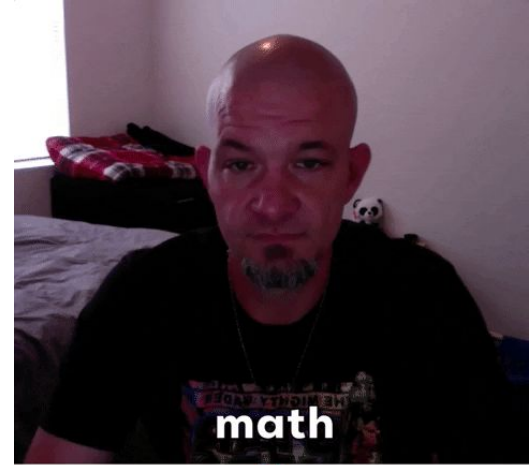
Common processes (PEMDAS, FOIL, fraction rules)

Word problems and solving

Time in class - STEM activities, project-based learning, additional practice and support

Social Studies

Content on videos = time in class for current events, debates, discussions



Other content areas

Language Arts

Capitalization rules, how to write a narrative, expository, descriptive paragraph

Individual videos for individual students discussing their rough draft paper

Questions related to their reading assignments

More time in class for writing, writing, writing

P.E.

Game rules, techniques on video

More time for students to get moving



How to make it better



Before YOU Flip



Questions/Comments



Thanks for watching!

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Youtube <https://www.youtube.com/@sharisolomon-klebba28>