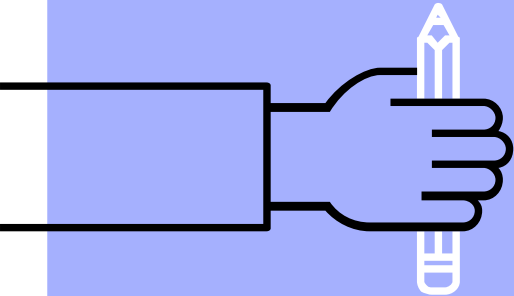
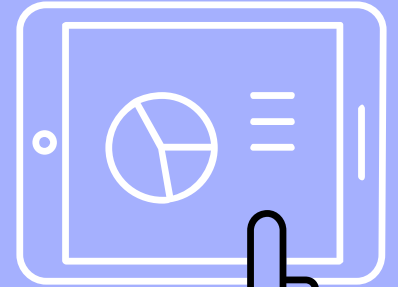
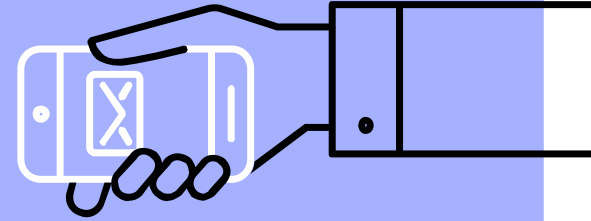


Let's Hear it for
the Math!



HELLO!

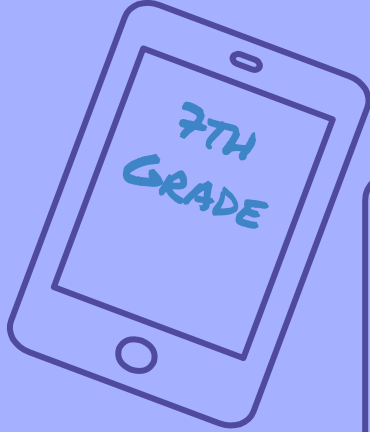
I am Erin Scholes

erinrachel410@gmail.com

@ScholesE15

tech4teachers.info

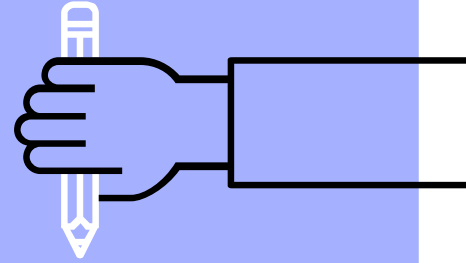
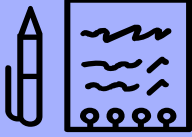
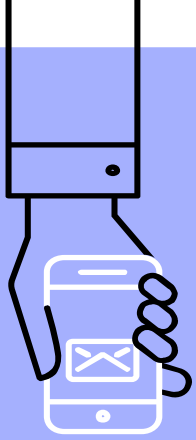




Videos as Math Assessments

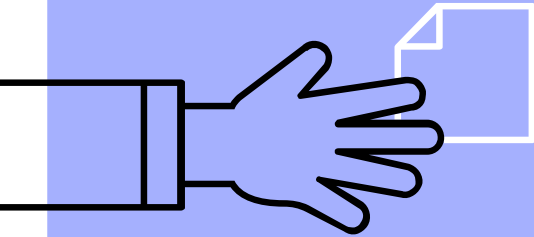
- ▶ Rubrics and Video ideas
- ▶ Whiteboard Apps
- ▶ ScreenCastify
- ▶ FlipGrid
- ▶ Showbie





Rubrics

How I got started



Projects we've done

- Order of Operations
- Adding Rationals
- Equations and Inequalities
- Surface Area and Volume (7th)
- Surface Area and Volume (8th)



Points for Complexity

With NO Mistakes

- 4 = 100%
- 3 = 95%
- 2 = 90%
- 1 = 85%

Equation Rubric

Problem Complexity	4	3	2	1
(choose ONE of the 12)	$\frac{4x + 12}{5} = 13$	$\frac{x - 8}{-3} = 5$	$\frac{x}{6} + 4 = 18$	$8x + 9 = 41$
	$-5x + 3 = 2x + 17$	$-4(x + 5) = 4$	$3(x - 7) = 9$	$6x - 2 = 10$
	$-6(4x + 8) = -24$	$7x + 4x - 16 = 28$	$-5x - 12 = -27$	$7x + 5 = 19$
	4	3	2	1
Solved Correctly	No mistakes	One mistake	Two mistakes	3 or more mistakes
Includes all steps, in the correct order	No mistakes	One mistake or missing	Two mistakes or missing	3 or more mistakes or missing
Uses math vocabulary correctly	No mistakes	One mistake	Two mistakes	3 or more mistakes
Easy to follow (visually and audibly)	Easy to understand follows proper mathematics	Can be understood, but a question arises	Can be understood, but several questions arise	Very difficult to follow, several questions arise

Adding Integers Video Project

Alternative:
mistakes have
different values

With NO Mistakes,
all are worth 100%,
with 1 mistake

- A = 95.2%
- B = 95%
- C = 94.7%
- D = 94.4%

	Question A (7pts)	Question B (6pts)	Question C (5pts)	Question D (4pts)
	$-28 + 5\frac{2}{5} + (-8.6)$	$-2\frac{2}{3} + 7\frac{1}{2}$	$-6.4 + 3.7$	$-21 + 18 + (-5)$
Total	___/21	___/20	___/19	___/18

Arrives at the correct answer ___/2

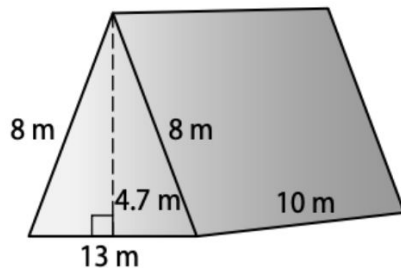
Description of errors, notes to the student: ___/___pts

Surface Area

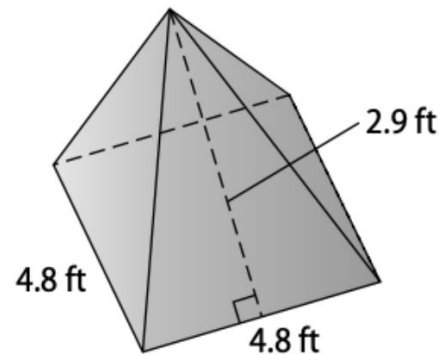
- Similar complexities
- 8th grade

Surface Area

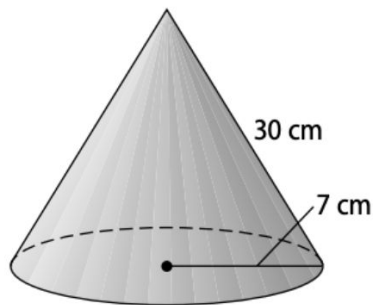
Question A



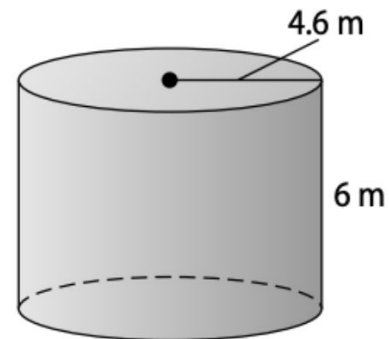
Question B



Question C



Question D



Surface Area

- Grading
Criteria are
always similar

SURFACE AREA

Expectations:

Solve for the surface area of a 3-dimensional figure, show your thinking one step at a time.

Method of presentation:

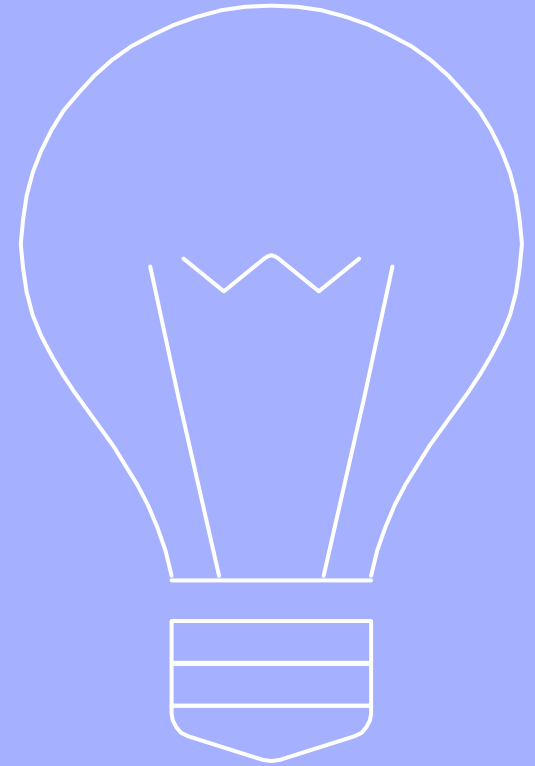
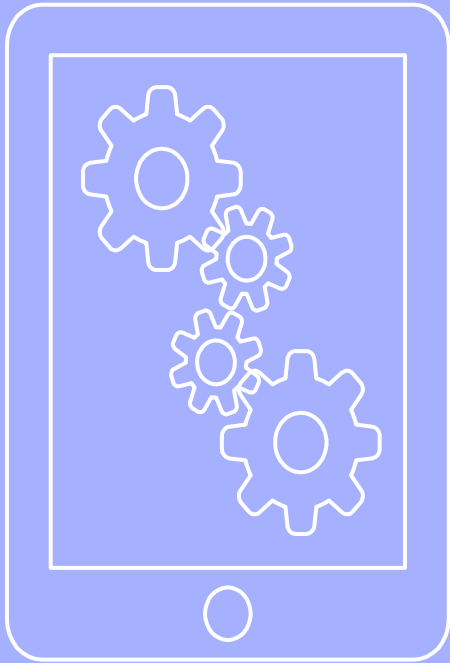
Create a video using ScreenCastify and a whiteboard (could be Google Slides, Google Canvas, the pen feature in Showbie, or another similar program). Your video must include a visual of the problem including all steps and an audio explanation of the steps from start to finish. Think of it as a video someone could watch to learn the steps to solve.

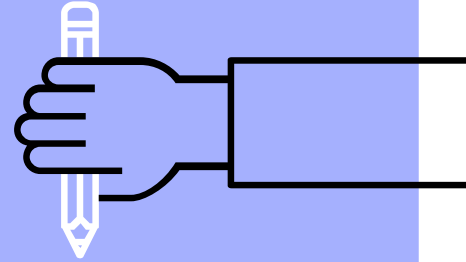
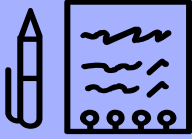
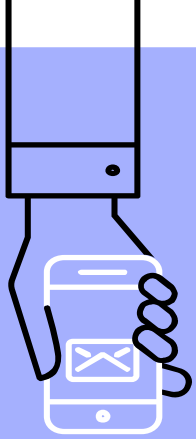
Rubric:

Surface Area: Question _____ /20

	5	4	3	2	1
Steps Mathematically Correct	No mistakes	One mistake	Two mistakes	Three mistakes	4 or more mistakes
Correct answer			Arrives at correct answer	Arrives at an answer that matches mistakes	Answer does not match mistakes made
Labels				Includes Correct label	One mistake
Uses math vocabulary correctly	No mistakes	One mistake	Two mistakes	Three mistakes	3 or more mistakes
Easy to follow (visually and audibly)	Exceptional presentation	Easy to understand follows proper mathematics	Can be understood, but a question arises	Can be understood, but several questions arise	Very difficult to follow, several questions arise

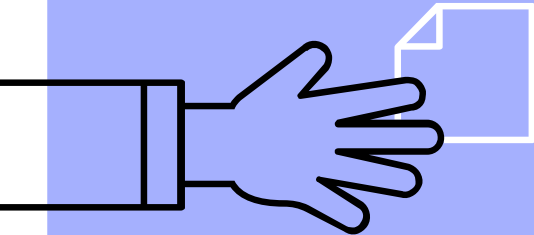
Other Ideas





Whiteboard Options

Websites and Apps
All Free





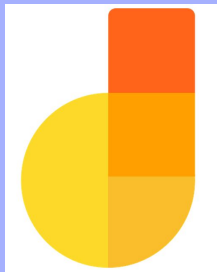
[Aww Whiteboard App](#)



[Chrome Canvas](#)



[Whiteboard.chat](#)



[Jamboard](#)
(Chrome extension,
or in your waffle)



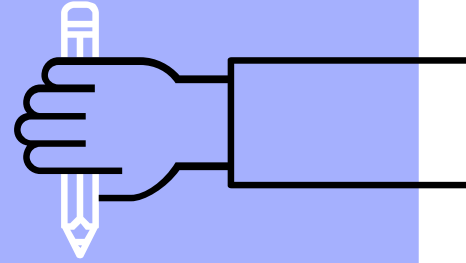
[Google Slides](#)
(in your waffle)



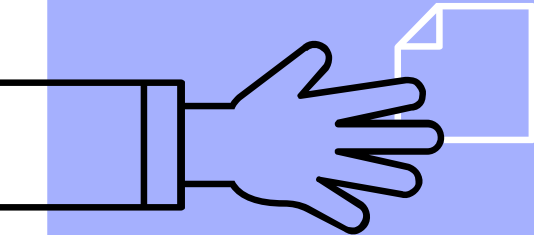
[WebPaint](#)
(Chrome Extension)

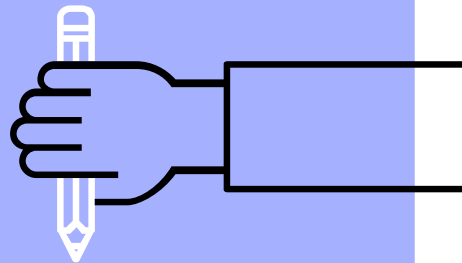
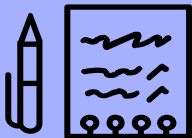
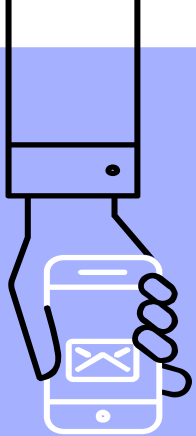


For More Support Visit this site:



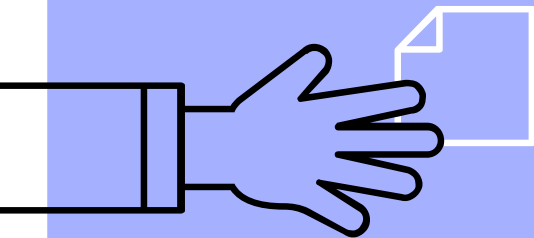
[Tech4Teachers.info](https://www.tech4teachers.info)





ScreenCastify

Google Chrome Extension



ScreenCastify Submit

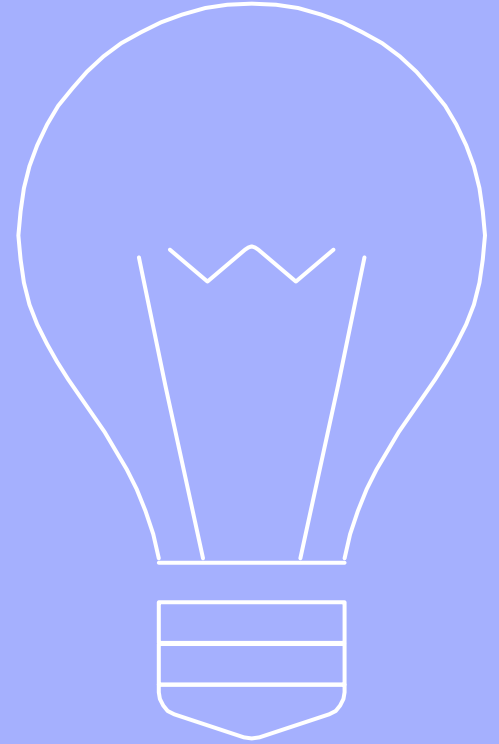
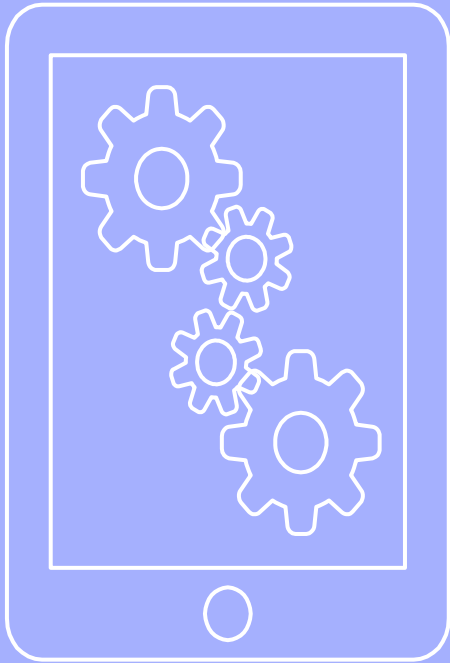
Allows the teacher to create an assignment and students submit through the link (students don't need the extension)



To Start using ScreenCastify
Submit Click on this website

[https://app.screencastify.com/
submit](https://app.screencastify.com/submit)

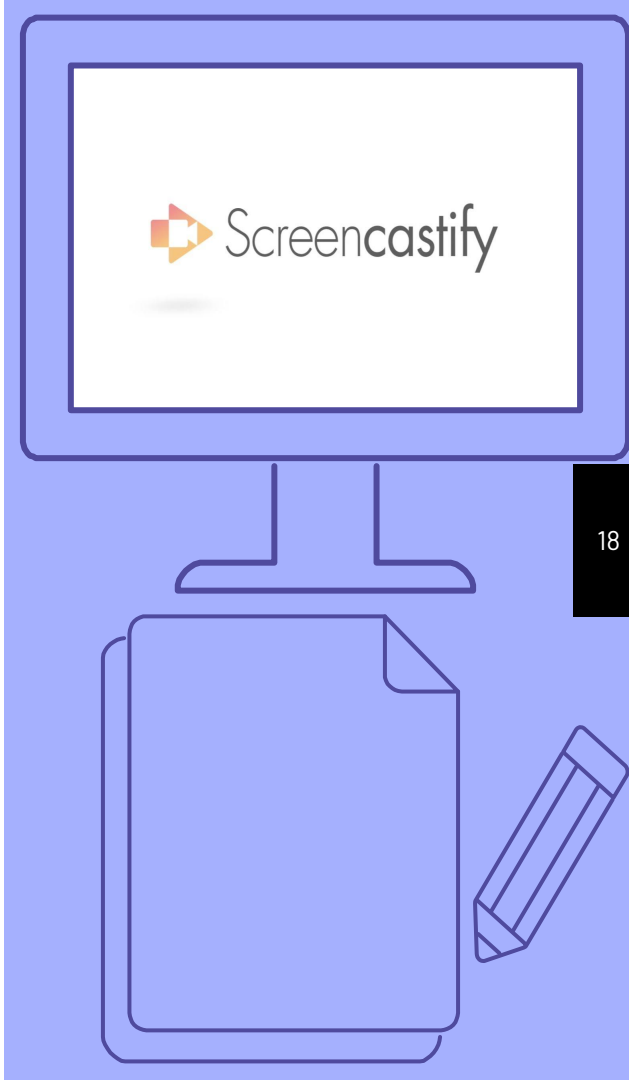
Practice Making a Video



Let's Try ScreenCastify Submit

Use one of the white board apps that we just learned about, or one that you are comfortable with to try making your own ScreenCastify video. These will be submitted directly to Erin. This is a chance to try ScreenCastify before deciding if you want to use it. Your webcam will NOT be on, it will only record your screen and your voice.

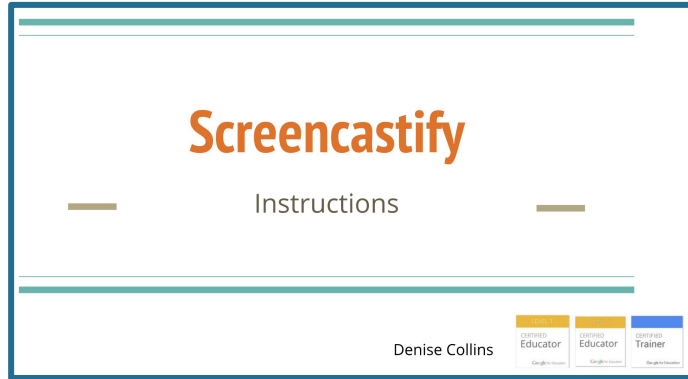
<https://app.screencastify.com/record/DuUDbWKEBtndINe5xDCXC>



Tools to help you get started with ScreenCastify

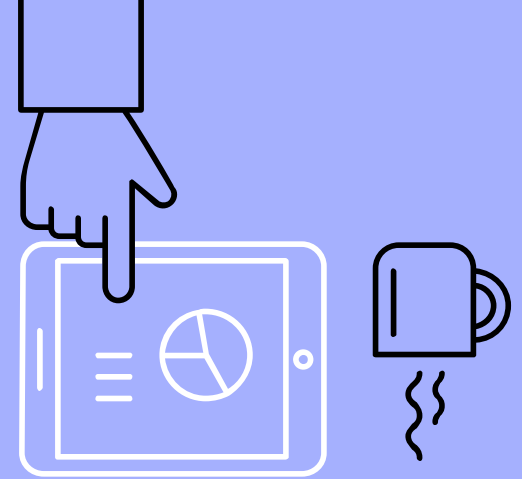
A Beginner's Guide to ScreenCastify for Educators

Web page with directions from ScreenCastify

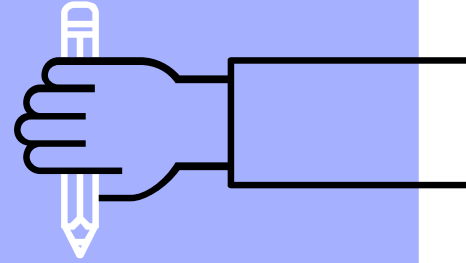


A Google Slides presentation created by my co-worker Denise Collins

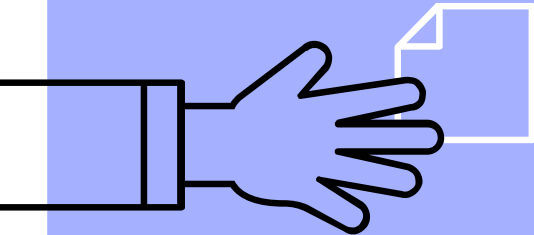
Linked [Here](#)

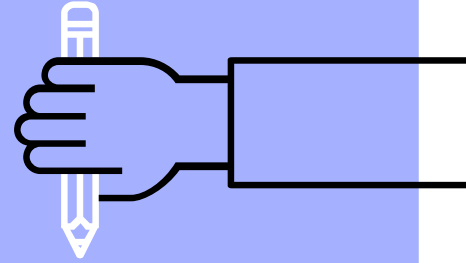
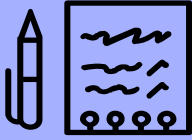
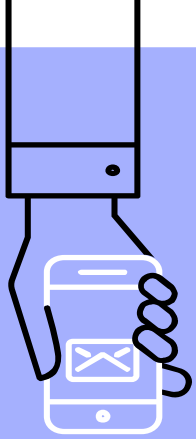


For More Support Visit this site:



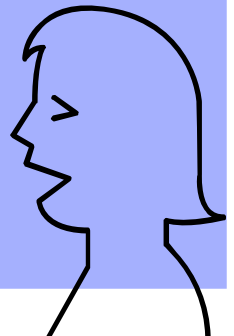
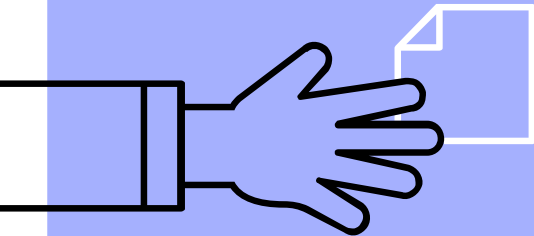
[Tech4Teachers.info](https://www.tech4teachers.info)





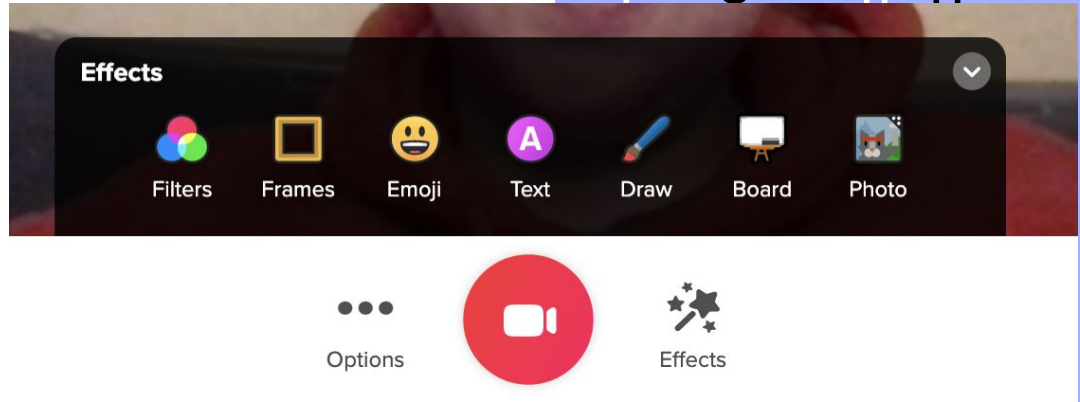
FlipGrid

Website/App
Free



FlipGrid Tools

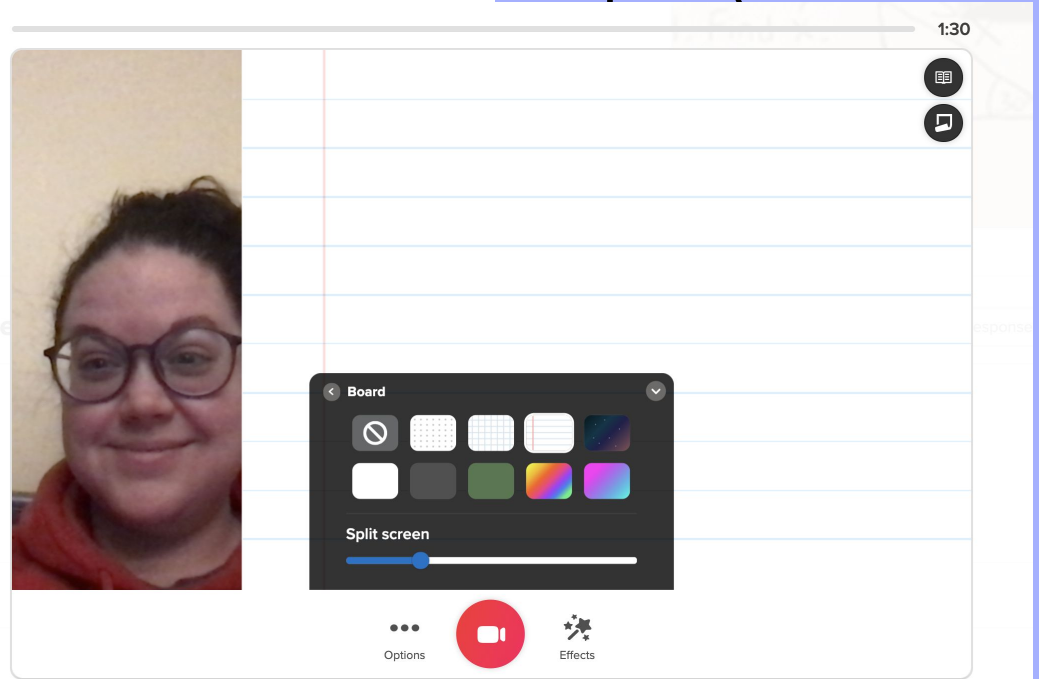
Lots of tools you can use before and during recording



FlipGrid Tools

Allows you to set up a paper/board before you record

Can write before or during recording



FlipGrid

- **Let's Try it**

Go to

<https://flipgrid.com/b5872224>

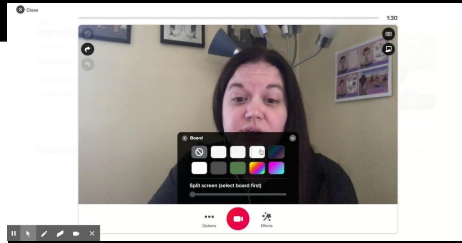
OR Scan ->



Tools to help you get started with FlipGrid



Getting Started with FlipGrid



Board and Split Screen Feature

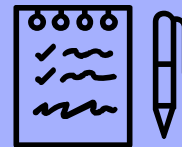
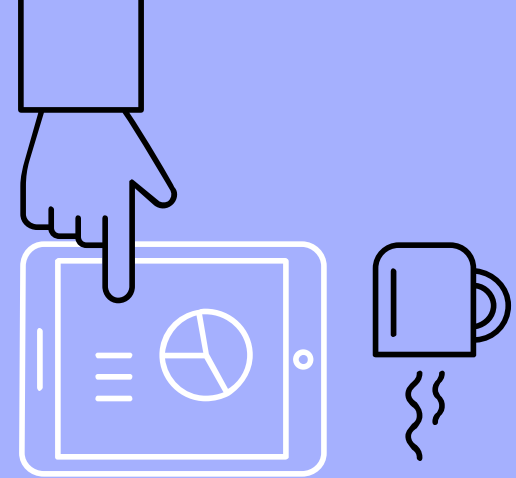


Setting Up FlipGrid

(If using student emails, you don't need the password, that would be for outside viewers)

**Grids are now called "Groups"

Or click through the next few slides for a few images



FlipGrid Setup

Go to FlipGrid.com

Log In as an Educator

Use Google Account to Log In



Create a Topic (Assignment)

Add a title

Add a prompt (directions)

Optional - Add media

Create a New Topic

Topics are where your students record their videos. Visit Discovery to explore shared Topics by educators from around the world!


Details

[Details](#)
[Permissions](#)
[Essentials](#)

* Title

Add a title for your Topic 0/35


* Prompt

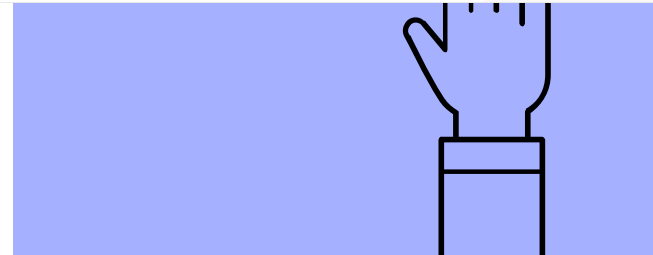
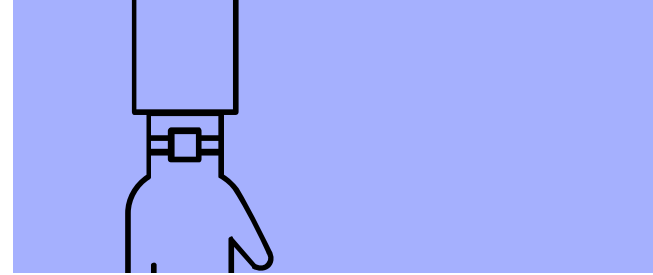


Add a question to start your discussion 0/1000

Media

Add a media resource to engage your students.



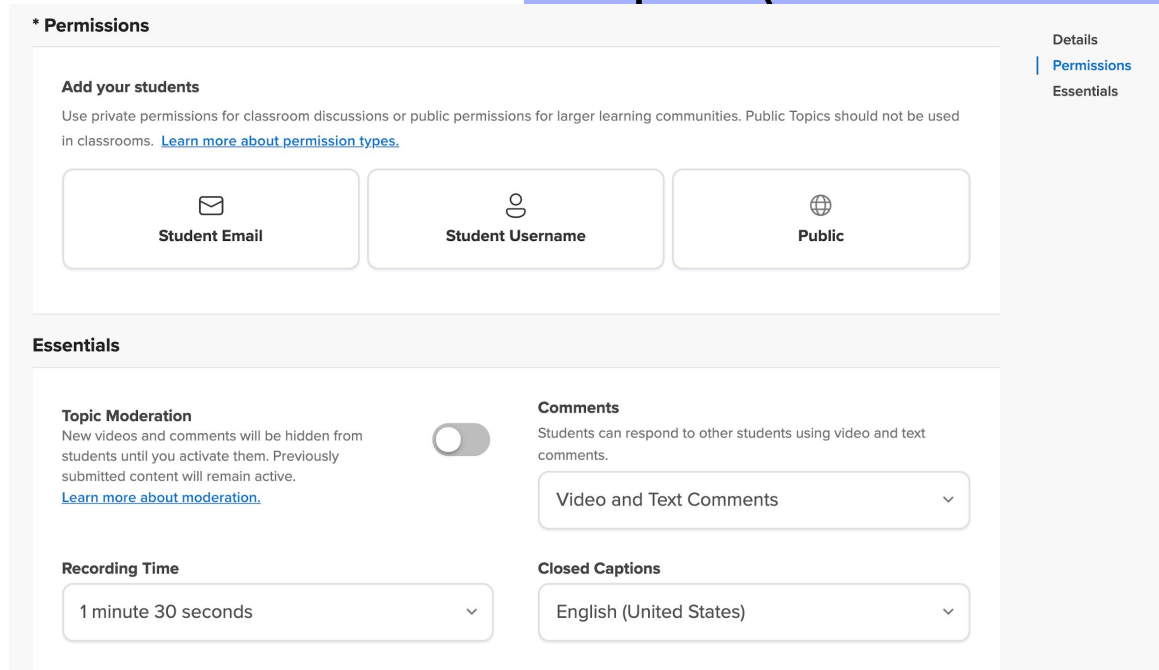


Create a Topic

Set permissions

Set:

- Moderations (yes!)
- Time Limit
- Allow video or typed comments
- Subtitle language



The screenshot shows the 'Create a Topic' settings interface, divided into two main sections: '* Permissions' and 'Essentials'. On the right side, there is a navigation menu with 'Details', 'Permissions', and 'Essentials'.

*** Permissions**

Add your students
Use private permissions for classroom discussions or public permissions for larger learning communities. Public Topics should not be used in classrooms. [Learn more about permission types.](#)

Three buttons are available for selection: 'Student Email' (with an envelope icon), 'Student Username' (with a person icon), and 'Public' (with a globe icon).

Essentials


Topic Moderation
New videos and comments will be hidden from students until you activate them. Previously submitted content will remain active. [Learn more about moderation.](#)

Comments
Students can respond to other students using video and text comments.
Video and Text Comments

Recording Time
1 minute 30 seconds

Closed Captions
English (United States)







Create Groups (aka Classes)



Discussion
Create Groups for your learning communities and add Topics to start the discussion.

Groups (6)
Groups allow you to organize and share multiple Topics.

Search Groups [Create a Group](#)

Name	Responses	Last Updated	
 Math H Private · 2 Topics	16	Nov 23, 2020	Active Share Actions 
 Math F Private · 2 Topics	13	Nov 16, 2020	Active Share Actions 
 Algebra Prep A Private · 2 Topics	27	Nov 10, 2020	Active Share Actions 

Create Groups (aka Classes)

Details

- Details
- Permissions
- Features
- Personalize

*** Group Name**
The name for your community or classroom.

 0/45

Join Code
Students use this code to join the group.


 11/20


flipgrid.com/scholes1703 **Available**


Accepts letters a-z and numbers 0-9. All letters will be saved in lowercase.


* Permissions

Add your students
Use private permissions for classroom discussions or public permissions for larger learning communities. Public Groups should not be used in classrooms. [Learn more about permission types.](#)

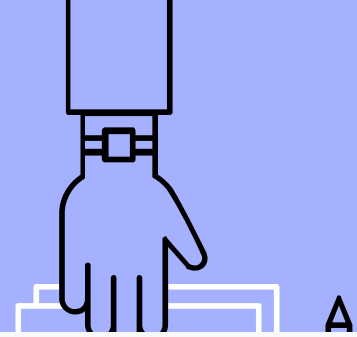
 **Student Email**

 **Student Username**

 **Google Classroom**

 **Public**

Create Groups (aka Classes)



Features

Group Followers

Allow students to receive email notifications when new Topics are created and new videos recorded.



Group Status

Set the Group to be active or hidden.

Active



Details

Permissions

Features

Personalize

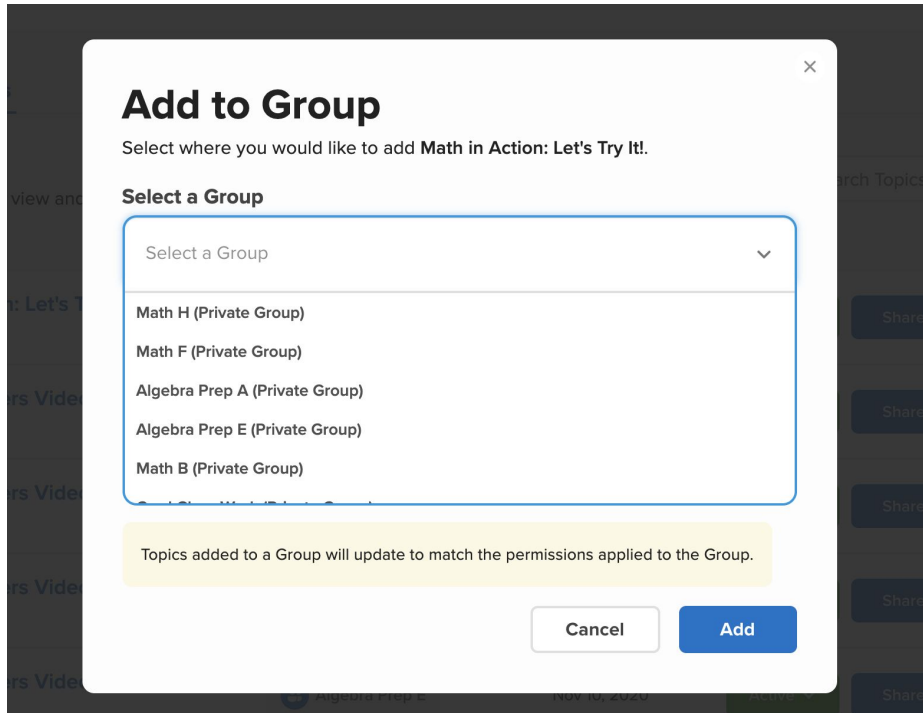
Personalize

Select an image for the Group cover, or upload an image of your own to personalize.

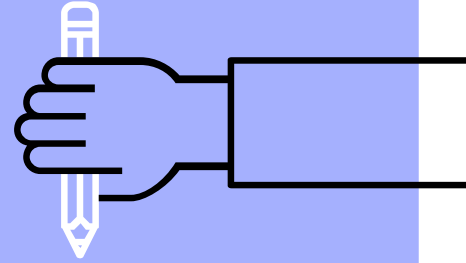
Drop an image file or click to browse.

(We currently support JPEGs and PNGs. Recommended size for uploaded images is 1500 px by 500 px - you will be able to crop.)

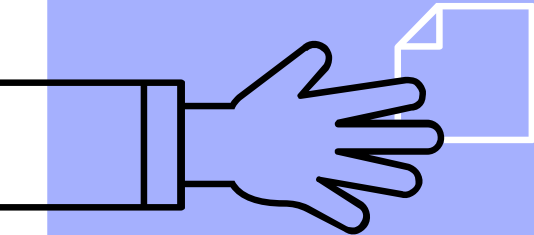
Assign Topics to Groups

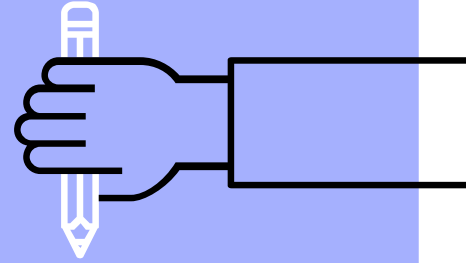
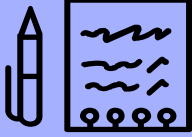
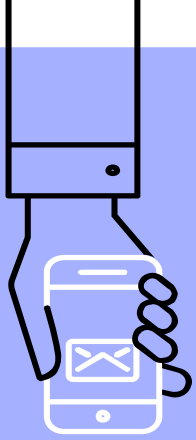


For More Support Visit this site:



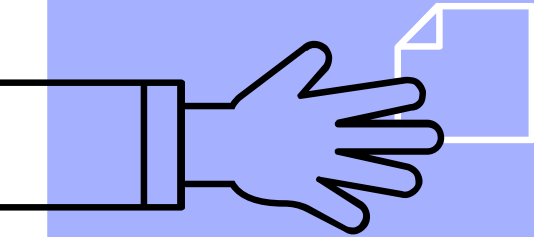
[Tech4Teachers.info](https://www.tech4teachers.info)





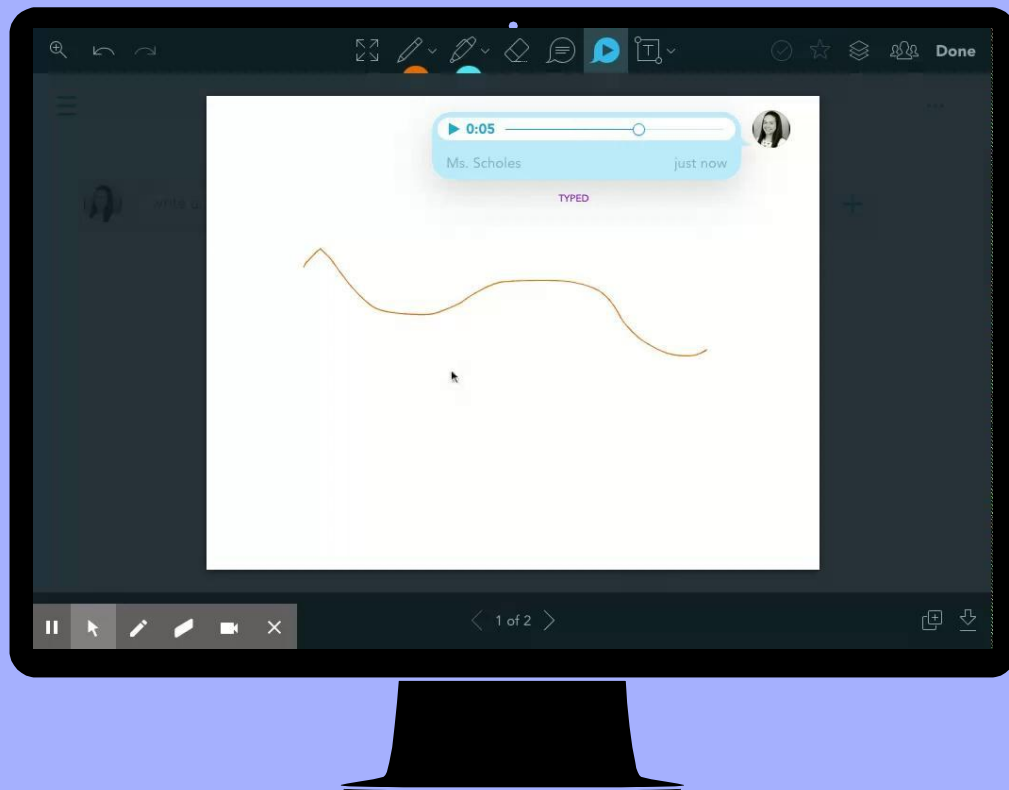
Showbie

Website/App
First 10 assignments are
Free



How to Use Showbie for “videos”

Note the images will be static, so all the students writing will be present, and you are listening to an audio recording.



Showbie

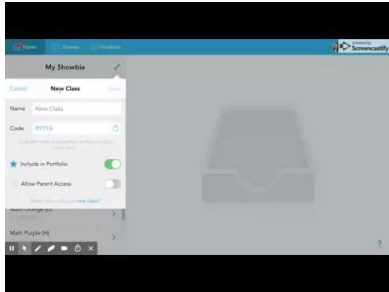
- Go to My.Showbie.com
- Sign Up for free (at bottom), walk through the steps, can sign in with Google Account
- Create a class
- Create an assignment
- Click the + and add "New Document"
- Try the tools



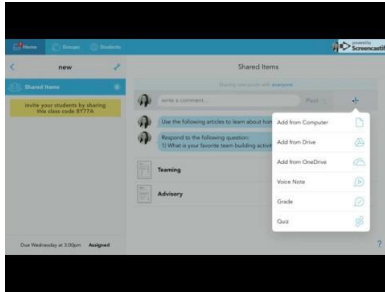
showbie



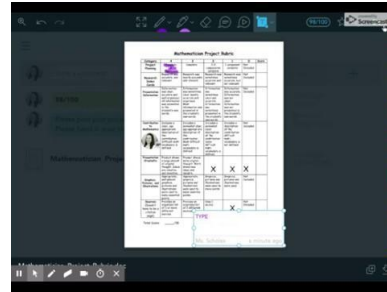
Tools to help you get started with Showbie



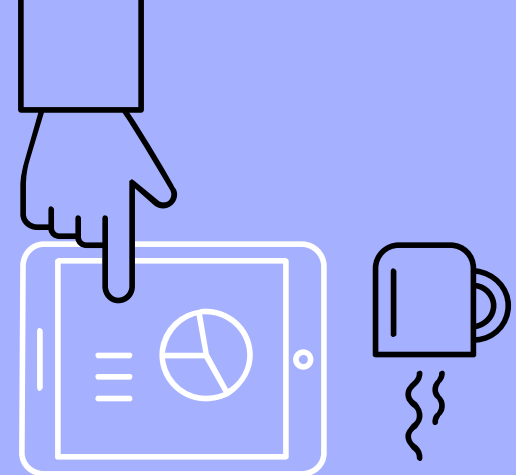
Creating a Class
Step by step instructions for creating a class in Showbie.



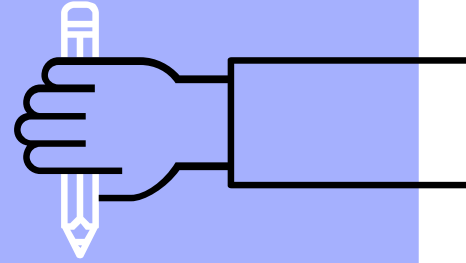
Creating an Assignment
Step by step instructions for creating an assignment with content in Showbie.



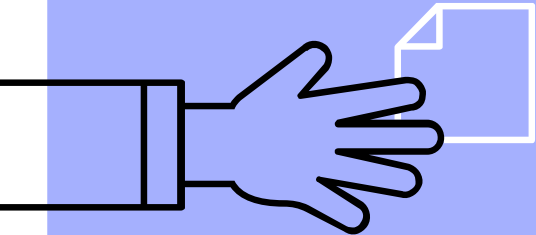
Annotation Tools
An explanation of the tools across the top bar in a Showbie document. These tools can be used by students as well as used when grading within Showbie.



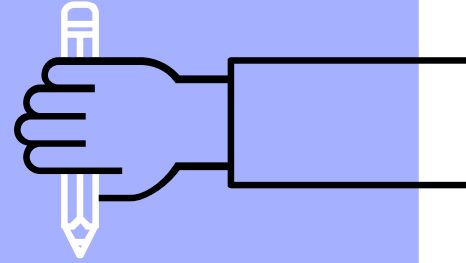
For More Support Visit this site:



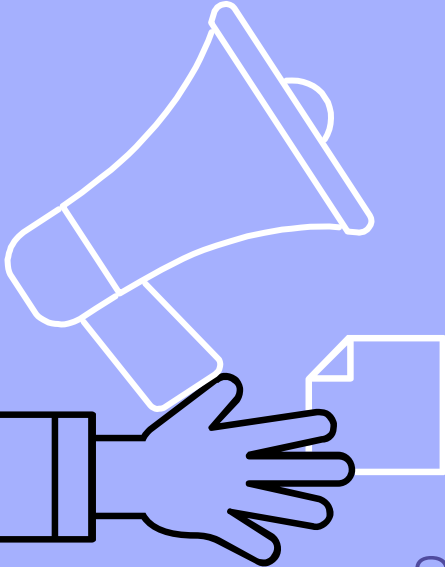
[Tech4Teachers.info](https://www.tech4teachers.info)



Lights,



Camera,



ACTION!!

Session Evaluation

THANKS!

Any questions?

You can find me at:

@ScholesE15

erinrachel410@gmail.com

Tech4Teachers.info



CREDITS

Special thanks to all the people who made and released these awesome resources for free:

- ▶ Presentation template by [SlidesCarnival](#)
- ▶ Photographs by [Unsplash](#)





Free templates for all your presentation needs



For PowerPoint and
Google Slides



100% free for personal
or commercial use

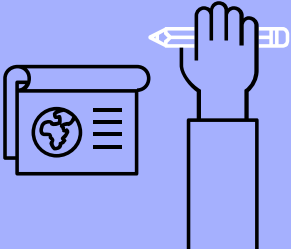
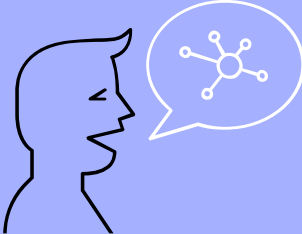
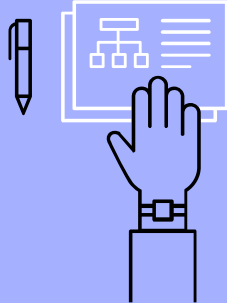
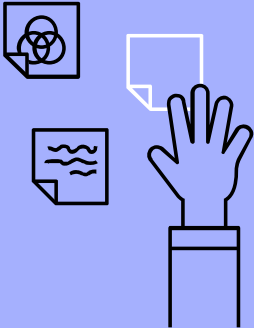
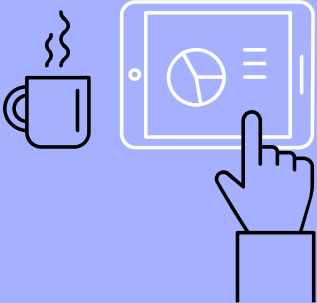


Ready to use,
professional and
customizable



Blow your audience
away with attractive
visuals

EXTRA GRAPHICS





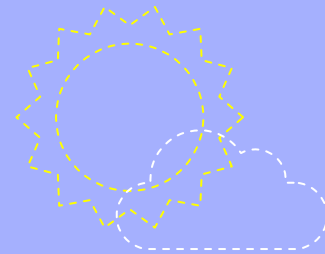
SlidesCarnival icons are editable shapes.

This means that you can:

- Resize them without losing quality.
- Change line color, width and style.

Isn't that nice? :)

Examples:



Now you can use any emoji as an icon!
And of course it resizes without losing quality and you can change the color.

How? Follow Google instructions
<https://twitter.com/googledocs/status/730087240156643328>



and many more...