

# STEMulating Open Education Resources

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**Instructional Designer**

**Instructional Technology Training and Development**



# Biography

## Education

- A.A. December 2005, Tidewater Community College & Technical Institute
- B.S. Chemistry, July 2008, Appalachian State University
- M.S. Chemistry, December 2010, Old Dominion University
- M.A. Education, May 2012, Western Kentucky University
- Ph.D, Education Leadership, University of Kentucky

## Work

- Chemistry Faculty at East Tennessee State University
- Instructional Media Specialist at Watauga High School
- Program Director at the Caldwell Chamber of Commerce
- Chemistry Faculty at Caldwell Community College & Technical Institute
- Educational Leadership Faculty at Lees-McRae College
- Full-time Instructional Designer at NC A&T SU



# Overview

- Disclaimer
  - These are not one-size fits all!
  - Play with them and see.
- Introduction
  - Further investigation
- Not all may be accessible from personal devices or operating systems.
- Let's Do This Thing!



# Viewpure



- Purpose
  - Gets rid of all the “odd” youtube extensions.
  - Link - <http://www.viewpure.com/>
  - Normal
    - <https://www.youtube.com/watch?v=eNsVaUCzvLA>
  - Improved
    - <http://www.viewpure.com/eNsVaUCzvLA?start=0&end=0>

# DESMOS

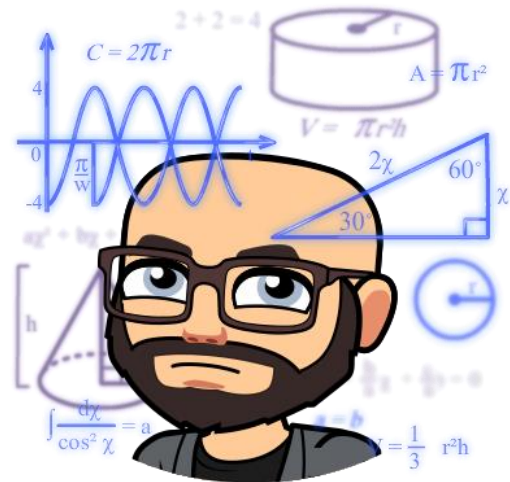
-Purpose

- A free, online graphing calculator (desktop and mobile capable).

- Link - [www.desmos.com](http://www.desmos.com)

- Desmos Matrix Solver

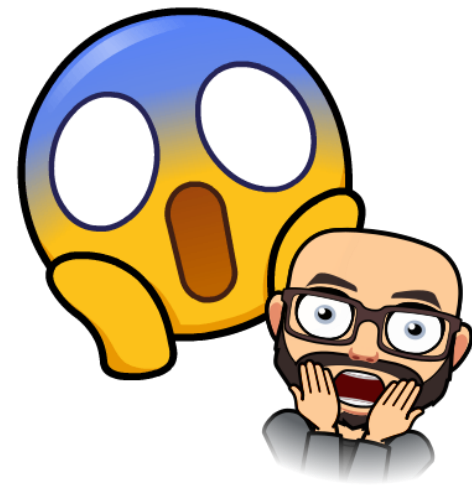
- Link - <https://www.desmos.com/matrix>



# Gzaas

-Purpose

- Enlarge text for students to see!
- Great for links and announcements during class activity.
- Link - <https://gzaas.com>



# Yoteachapp



-Purpose

- Allow students to ask questions or answer questions on a class backchannel.
- Teachers can also post polls and respond to students directly

# Geogebra

- Purpose
- Application based “concept” tools
- 2D and 3D graphing capabilities
- Link - [www.geogebra.org](http://www.geogebra.org)

MATH





# VoiceThread



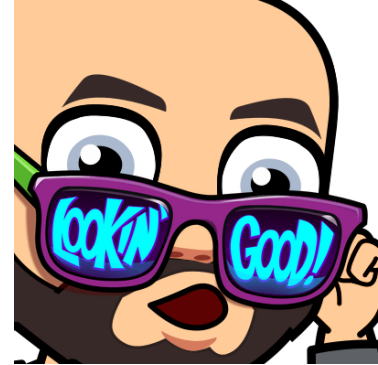
-Purpose

- With **VoiceThread**, you can create, share, and comment

on images, PowerPoint presentations, videos, audio files, documents, and PDFs.

- Link - <https://voicethread.com/>

# Piktochart



-Purpose

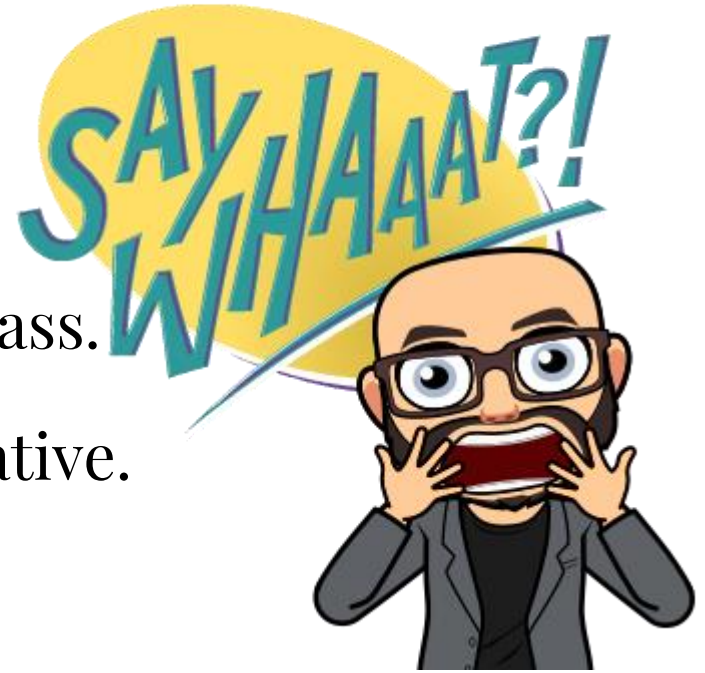
-Create amazing data-visualizations, presentations, posters, and more.

- Link - <https://piktochart.com/>

# Plickers

## -Purpose

- Used to assess students in-class.
- Can be formative and summative.
- Only one phone required!
- Link - <https://get.plickers.com/>



# MyOpenMath

- Purpose
- Open Source Learning Management System
- Multiple platform LTI integration (including Bb and moodle)
- Vast question bank and features to author unique questions
- Link - [www.myopenmath.com](http://www.myopenmath.com)



# Canva

-Purpose

- Create stunning documents and presentations with little work.

-Link - [www.Canva.com](https://www.Canva.com)



# Lucid Chart, Mindmeister, Bubbl, Popplet

-Purpose

-Create mind maps of projects or topics.

-Links

- [www.lucidchart.com](http://www.lucidchart.com)

- [www.mindmeister.com](http://www.mindmeister.com)

- [www.bubbl.us](http://www.bubbl.us), [www.popplet.com](http://www.popplet.com)



# Timer Tab

-Purpose

- A large in class timer which links to youtube audio.

-Linke - [www.timer-tab.com](http://www.timer-tab.com)



# Statcato

- Purpose
- Minitab mirror for Statistical Analysis
- Parametric and Non-parametric Tests available
- Link - [www.statcato.org](http://www.statcato.org)





# FlipGrid

- Purpose
  - Increase student-teacher interaction by students responding via short videos.
  - [www.flipgrid.com](http://www.flipgrid.com)



# Edpuzzle

-Purpose

-Create, assess, and track students for any video on the internet.

- Link - [www.edpuzzle.com](http://www.edpuzzle.com)



# Symbaloo

-Purpose

- Organize desktop links with visual bookmarks.

- <https://www.symbaloo.com/home/mix/science1899>



# RKward

- Purpose
- Open Source, “user-friendly” R interface
- Webstart capable
- Link - <https://www.rollapp.com/app/rkward> (webstart)
- Link - <https://sourceforge.net/projects/rkward/> (download)



# Timetoast

-Purpose

-Create timelines

-[www.timetoast.com](http://www.timetoast.com)

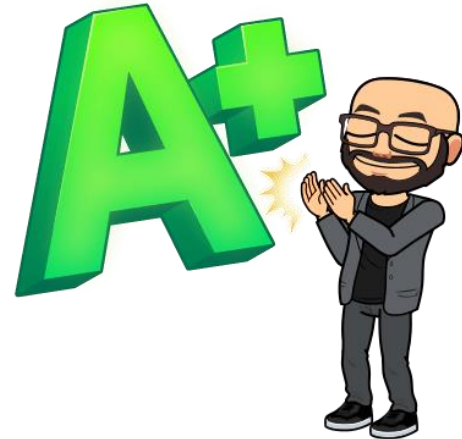


# Gradecam

-Purpose

-Grade using formative and summative assessments using your phone.

- [www.gradecam.com](http://www.gradecam.com)



# Chrome Scissor Extension

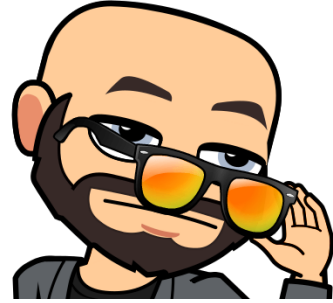


-Purpose

-Automatically splits tab into separate window.

-Link <https://chrome.google.com/webstore/detail/tab-scissors/hbjbapgnhcmjceeniibmpmopgmlppbep?hl=en>

# Google Data Studio



-Purpose

- Data Visualization Interface (if you are a tableau fan, you are gonna love this)

- User friendly, shareable, easy to collaborate

- Link - <https://datastudio.google.com/navigation/reporting>



# Data World

-Purpose

- Open Source Data Repository.
- If you need data... this is your site!
- [www.data.world](http://www.data.world)



# Twitterfall

- Purpose
- Create a waterfall of twitter searches.
- Link - [www.twitterfall.com](http://www.twitterfall.com)



# Google

- I could probably spend days talking about Google and the Google Suite. But, I will spend whatever time we have left talking about a few.
- References in [www.docs.google.com](http://www.docs.google.com)
- [www.keep.google.com](http://www.keep.google.com)
- <https://edu.workbencheducation.com/>
- <https://alicekeeler.com/>



# Mendeley

- Purpose
- Online document manager (download available)
- Drag and Drop interface / Word and Docs Integrations
- Link - [www.mendeley.com](http://www.mendeley.com)



DONE



*and*

DONE