

April 22, 2016 E-mail: <u>ttomm@sciencespot.net</u> Website: <u>http://sciencespot.net</u>

Teacher Tools – What do I use the most?

<u>Weebly</u> – Offers free websites and tools to help you build your online classroom; used by our junior high and high school teachers *Examples: <u>mrstomm.com</u> and <u>HJHS Website</u>*

Other Options: <u>Wix</u>, <u>Schoology</u>, <u>Edmodo</u>, & <u>Wikispaces</u>

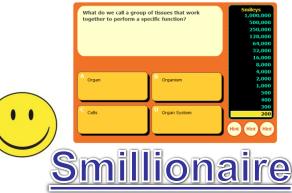
<u>Snipping Tool</u> - May be used to capture images, images of worksheets, etc.; options to save as graphics files that can be imported into PowerPoint, whiteboard software, and video software

Quizlet.com – I use this free site to share vocabulary sets with the students; easy to export word sets or print for IEP/504 students; also offers games.

Also check out <u>Study Stack</u> – Lots of game options for vocabulary practice or review.

Educreations – My favorite free iPad app for creating video "whiteboard" lessons; easy-to-use and offers online storage for easy access by students and parents *Example: Pond Water Webs*

<u>Quia.com</u> – A great site for creating review games (matching, hangman, Rags to Riches, Jeopardy-style game, and more! I also use it for online quizzes (automatically graded!)



All About Google

<u>Google Drive</u> - Google's version of Dropbox; offers up to 5 GB free storage when you sign up.

<u>**Google Classroom</u>** – Incorporate the tools in Google Drive to help you manage your digital classroom.</u>

<u>Blogger</u> – Works with your Google account; easy-to-use format to edit and manage your pages with learning resources

<u>**Google Forms</u>** - Create a quick form to survey students at the of a lesson/unit, gather information about an assignment or topic, or set up easy-to-use registration forms. *Example: <u>First Day</u>*</u>

Google Earth – WOW! Always amazing to use with the kids!



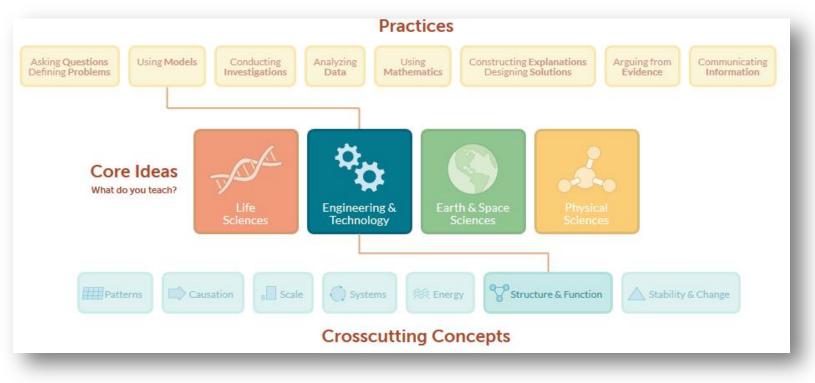
✓ Teams use Google Sheets in a shared folder to keep track of data for each team

✓ Use Google Earth to locate the places

✓ Track news articles/reports & images by saving them on Google Docs or Slides

NGSS & STEM Resources – My Top 5 Picks

<u>Concord Consortium</u> – A great resource to find new ideas that target NGSS with an easy-to-use online tool! Also check out their <u>STEM Resource Finder</u>!



<u>Understanding Science</u> - Use their search tools to find resources aligned to NGSS - online lessons, activities, and classroom lessons.

<u>PBS Learning Media</u>– A great resource for finding videos, podcasts, and lesson plans on a variety of science topics as well as other content areas. Free access with registration!

More resources ...

<u>eGFI (Engineering Go For It!)</u> - You are sure to find a new project to use to challenge your students while targeting Next Gen and STEM concepts!

<u>cK-12.org</u> - Use their search tools to find online resources for students or check out their FlexBook options to create your own textbook aligned to NGSS and your curriculum!

What are your favorite resources for NextGen or STEM?

Also check out ...

Science Snacks from the Exploratorium – Free lesson and activity ideas for all levels and science topics!

Video Resources – Top 5 Picks

<u>PBS Learning Media (Teacher's Domain)</u> – A great resource for finding videos, podcasts, and lesson plans on a variety of science topics as well as other content areas. Free access with registration!

<u>NeoK12</u> – Videos as well as images, quizzes, and links to online activities for all subject areas Also try <u>Watch Know Learn</u> for more options

BrainPop – Requires subscription for access to most movies, but there are a few free ones; available for all subject areas

<u>Gooru</u> – Great search tools to find all types of resources (not just videos) and set them up as a Remix for your students to use during a lesson or unit.

Scholastic Study Jams

More Science Videos

National Geographic

NOVA Education

Crash Course

Crash Course Kids

SciShow

Flinn Videos

<u>Science Discovery</u> <u>Real Player</u> – Download the free program to allow you to download videos for offline viewing (not all videos can be downloaded, but works with YouTube, SchoolTube, and TeacherTube.) Also check out <u>Download Helper</u> for FireFox

PBL Resources – My Top 5 Picks

<u>BIE PBL Resources</u> – A "do-it-yourself" type of resource allowing you to find what you need to utilize problem-based learning units that will apply to your subject/students.

<u>MERLOT</u> – Online units and support materials for utilizing technology in your science classroom; check out their <u>science & technology</u> materials

<u>**CIESE**</u> – Join one of their collaborative projects to connect your classroom to others around the world; offers a variety of projects to match your curriculum *Example: <u>Human Genetics</u>*

<u>Zooniverse</u> – Visit this site to find ways for your students to get involved in real science projects; offers online investigations to help scientists collect and analyze data

NSF Case Study Collection – Use case studies with your students to connect classroom learning to real-world problems; provides a searchable database with over 400 case studies

Also check out <u>BioQuest</u> and <u>PBL Clearinghouse</u>

Cool Tech Tools

Cartoons, Movies, & Stories <u>Zimmer Animations</u> <u>Toondoo</u> <u>Comic Creator</u> <u>PBS Cartoon Studio</u> <u>PowToon</u> <u>Story Starters</u> <u>Story Maker</u>

Presentations/Posters <u>Wordle</u> <u>Prezi</u> <u>Popplet</u> <u>Big Huge Labs</u>

Online resources for digital projects are available on the <u>Tech Skills</u> page of the Science Spot's Kid Zone.

Engage Your Students – My Top 5 Picks

PBS You Try Its – Tons of great resources for learning, such as the **DNA Workshop**

<u>Nobelprize.org</u> – A collection of outstanding interactives designed to explore Nobel-prize winning projects and technologies, such as the <u>Blood Typing Game</u> (<u>Worksheet available</u>)

Interactive Sites for Students - Find new websites to use for teaching or reinforcing classroom learning; available for all subjects and levels

<u>Lawrence Hall of Science</u> – Tons of fun online activities (as well as apps) to explore science concepts, such as pH with the <u>Alien Juice Bar</u>! (<u>Worksheet available</u>)



The last one ...

<u>WebAdventures</u> – A collection of online activities that are sure to challenge your students as they learn about CSI or any of the other topics. Example: <u>MedMyst</u> (<u>Worksheets and teacher guides are available</u>)



Find more great resources for your students ...



Test your coding abilities with an activity from <u>Code.com</u>!

> Check it out ... PBS Kids - Design Squad

http://sciencespot.net/Pages/kidzone.html

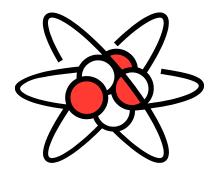
Dinosaurs & Fossils

Weather

Contact Information



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