

Bits and Bytes



Fall , 2015 Edition

Happy Fall!

It has been wonderful to visit schools more this year, and see all the wonderful things you are already implementing in your classrooms.

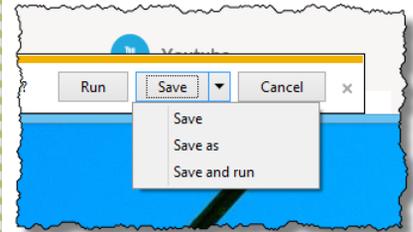
This edition of Bits and Bytes will feature information about integrating Technology with Marzano DQ Element 2: Tracking Student Progress. We also have a section about Makerspaces in the Classroom or School Library, as well as some great tech resources.

You may have noticed that our titles have changed to Educational Technology Specialists, or Ed Tech Specialists. This change was made to help SJCSD employees distinguish us from the Information Technology (IT) department.

As always please contact us with any Educational Technology questions, or if you would like to collaborate on an Ed Tech project with your students.

Terrific Tech Tip

Trying to download a file or program, but only getting an error message?



Click arrow, then Save and Run to download the file.



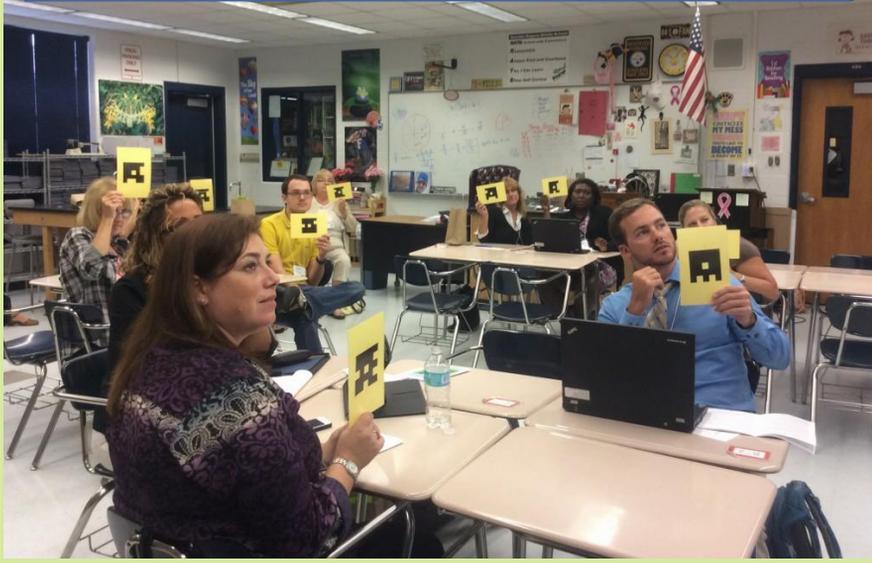
Teachers can gather feedback from students by embedding a [Poll Everywhere](#) poll in their PowerPoint presentations.

Uses:

- Poll students about their level of knowledge
- Use Word Cloud feature to generate ideas
- Students vote on other responses to facilitate class discussion or debate

Web Mix of the Month

Integrating Technology in the Classroom



This month, we will focus on incorporating technology with DQ Element 2: Tracking Student Progress.

Would you like to learn more about effective technology integration?



Check out FLDOE's [Technology Integration Matrix \(TIM\)](#)

DQ Element 2: Tracking Student Progress

Teachers can check student level of understanding throughout the lesson using Clickers or clicker-like web-based programs.

- Use CPS or Mimio Clickers, Plickers, Microsoft Mix, Padlet, Nearpod, Socrative, Kahoot, or other Feedback Tools. [Visit our Feedback Tools guide](#) to learn more!
- Multiple Choice (2.0 tasks), Constructed Response (3.0 tasks), Extended Response (4.0 tasks)

Students can demonstrate their understanding of a topic or standard using Interactive Whiteboard Software or apps.

- Use ScreenChomp, Educreations, Doceri app, or on the computer using Jing, IWB software (Smart Notebook, Mimio), Microsoft Mix, or similar program.

Students use technology to chart their progress (digital graphs, digital journal with OneNote)

Track student behavior using Class Dojo, or similar programs.

To learn more, check out Sonny Magana's [Enhancing the Art and Science of Teaching with Technology](#).

Digital Makerspace Tools

- [Sphero](#)
- [Makey-Makey](#)
- [GreenScreen DoInk app, paired with iMovie app](#)
- [Dash and Dot](#)
- [Lego Robotics](#)
- [Lil Bits](#)
- [Arduino](#)

Hands-On Makerspace Tools

- Arts and Craft Supplies
- LEGOs
- Electronic Parts
- K'Nex
- Colorful Duct Tape
- "How To" Books

Online Makerspace Resources

- <http://renovatedlearning.com/>
- <http://cybraryman.com/makerspaces.html>
- <http://makeitatyourlibrary.org/>
- <http://www.edutopia.org/blog/designing-a-school-makerspace-jennifer-cooper>

Maker Spaces in the Classroom and Media Center

A makerspace can be a great addition to your classroom or library media center, helping inspire creativity/creation, while helping students develop a deeper understanding of content knowledge.

Where: No need to reserve a permanent space in your classroom, instead try a portable makerspace. Use a three-drawer bin on wheels, and roll it out for student creation lessons. Or attach Ziploc bags of supplies along with the "How To" books in your classroom library.

When: After school, or before school starts are great options. Also, if you have an extra resource day (elementary), this time could work as well. One other option is after a fire drill or assembly, when you don't have time to finish your lesson, or on rainy days during inside recess.

Integrating with Content Instruction: When you integrate your makerspace during content instruction, you won't need to find "extra" time.

Math: Explore Geometry concepts, measurement, patterns

ELA- Students plan a puppet show to recreate scenes from a book, Stop-Motion stories, creations which represent figurative language or poems

Social Studies/History- Recreate forts, pyramids, and important places, create 3-D Maps

Science- Exploring electricity, energy, and physics concepts, animal habitats and ecosystems, gardening

These are just a few ideas to get you started. Please send us photos of your students' creations and we will feature them in a future newsletter.

Your STLs can help you with...

- **Digital Citizenship**
- **OneDrive**
- **OneNote**
- **Technology Integration Matrix**
- **Blended Learning Overview**
- **Feedback Tools**
- **Student Collaboration Tools**

Meet our School Technology Leaders!

We would like to introduce you to our School Technology Leaders (STLs) who serve as liaisons between our Educational Technology department and your school...they are basically your "go to" teachers for all things EdTech when we (Lindsay, Brock, and I) are not available.

Bartram Trail
Creekside High School
Crookshank

Cunningham Creek
Durbin Creek
Fruit Cove
Gamble Rogers
Hartley
Hickory Creek
Julington Creek
Ketterlinus
Landrum

Liberty Pines
Mason
Mill Creek
Murray
Nease
Ocean Palms
Osceola
Pacetti Bay
Palencia
Patriot Oaks
Pedro Menendez
Ponte Vedra High
PVPV/Rawlings
RB Hunt
Sebastian
South Woods
St. Augustine High
St. Johns Tech
Swiss Point
Timberlin Creek
Valley Ridge
Wards Creek
Webster

Suzy Smith, Haley Jasper
Christian Collins, Janet Robles
Jessica Ahr, Jacqueline Zahralban, Mariah Courter

Maegan Cassell, Allison Zweigle
Andrea Larese, Matt Ostrowski
Debbie Doemel, Alexis Zamparelli
Nicole Bohanan, Robin Rucker
Michelle Sloat, Tiffany Rawitt
Sue Benes, Jenny Densmore
Gary Davis, Jackie Clarke
Amanda Strange, Veronica Sturm
Alex Smith, Wenona Airline
Diana Hoelle, Kim Sexton
Shana Stevens, Mitch Gurich
Kristin Arnold, Sue Green
David Haynes,
Lisa Layton, Matt Augenstein
Elizabeth McCall, Stephanie Barley
Kirby Quam, Kathleen Gruman
Heather Anderson, Hannah Hollis
Jennifer Jackson, Katrina Worthington
Lou Greco
Kate Neff, Leslie Bendt
Jennifer Heinz, Tracey Fordham
Cindy Wondrow, Taylor Morris
Allison Basili,
Kristina Harvey, Margaret Cody
Christine Hodges, Edette Konstas
Scott Benyacko, Tiffany Kemp
Paula Davis, Darci Blake
Kim Barker, Judy Gill
Jean Debees, Zach Sharpe
Holly Southworth, Pam Shattles
Dana Smith, Emmaleigh Boardw
Amanda Devany, Robert Raimann



EdTech Monthly News

[Click here to access some great EdTech articles.](#)



“Let’s go invent tomorrow, instead of worrying about what happened yesterday.”

Steve Jobs

The Key to Creative Classrooms

SEPTEMBER 17, 2015

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Strategies to help you model creative thinking, and facilitate creativity in your students.

Upcoming Events

ECET2 2015- Saturday, November 14th, First Coast Technical College (FCTC) (more details coming soon)

[FETC Early Registration-](#) Register early for this January 12-15 event

Digital Citizenship Throughout the Year

Tip:

Provide students with opportunities to comment, discuss, and debate online.

Examples:

- Insert a video or article in an Edmodo post. Ask students to read the article, and respond (with evidence).
- Use the website [Tricider](#) to engage students in debate or Socratic Seminar(ish) learning
- Create a class in [Storybird](#) and allow students to comment on other students' stories.

Contact Us

Call 904.547.3947 for more information about our services and resources

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<http://blogs.stjohns.k12.fl.us/instructionalt ech/>

Stay tuned for our winter edition of Bits and Bytes featuring...

- Windows 8 Tips and Tricks
- DQ Element 6- Identifying Critical Information
- Coding in the Classroom

