

Saddle Up Your Music Class: Giddy Up, SAMR!

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so that the resource links are active, please scan this QR code:**

SAMR is a model designed to assist teachers in integrating technology into their classrooms. Dr. Ruben Puentedura developed the model, which involves substitution, augmentation, modification, and redefinition, as a way for teachers to self-reflect on how they integrate technology into their classrooms. The model also gives the teachers a guide for how technology can be used as a tool from enhancing to redefining what is taught in the classroom.

Examples:

- **Substitution:** Using Plickers as exit tickets for grades 1 and 2.
- **Modification to Redefinition:** STEM to STEAM unit integrated with 3rd grade science. This started as a composition unit of the 3rd graders composing a melody to perform on their recorders. It became redefined when we incorporated STEAM into the unit and integrated with their science classes.
- **Redefinition:** Immigration unit with the 2nd grade empathy unit. In music, the students were preparing for a performance. We turned that performance into a study about empathy and immigration.
- **Augmentation to Modification:** Each winter, the 2nd graders compose a four-measure melody with guided notes and rhythms using Noteflight (<http://www.noteflight.com>). We are moving towards modification because we are going to add accompaniments using Soundtrap for Education (<http://www.soundtrap.com>) and share with other music classrooms using Soundtrap.
- **Modification to Redefinition:** 4th Grade Debussy unit: modification with use of tech to explore France/culture, create impressionistic painting, mind map historical connections, demonstrate rubato w/listening map, and compose whole tone piece. Redefinition: collaborating with French students to discover cultural similarities and differences.
- **Augmentation to Redefinition:** Recorder Unit - Augmentation with Flipped video lessons. Redefinition: students create their own video performances evaluated by the teacher or advanced students. Also, ss create tutorials to share with students.

- **Augmentation:** Music and Math - Augmentation during SMARTBoard Shuffle Activity and Spelling Bee with Multiplication.
- **Redefinition** during Handel unit. Started with quill and ink activity and curiosity fueled student led research/discovery of clothes, Flat Handel, Organ bellows. Tech was used for research and reflection.

QR Codes to more in depth information about the examples:

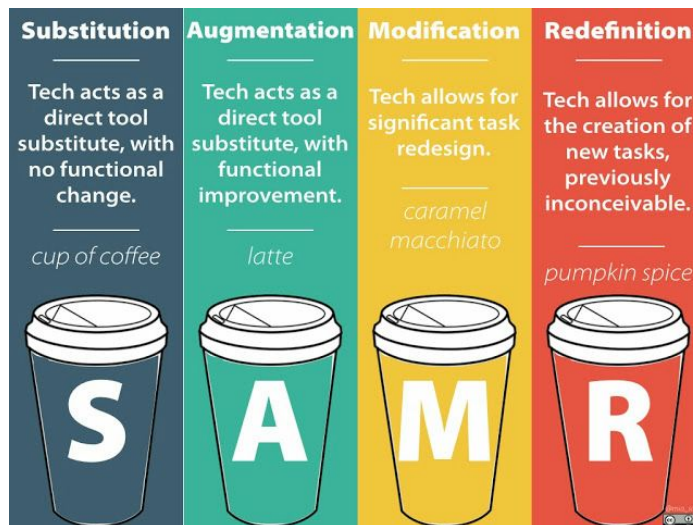


Figure 2: from Jonathan Brubaker

(<http://techtipsedu.blogspot.com/2013/11/samr-model-metaphor-mistakes.html>) . He was inspired to make this graphic when he read Tim Holt's blogpost that compared the SMAR model to ordering coffee at Starbucks.

SAMR Resources:

- <http://www.teacherpaul.org/2889> - Paul Swanson, Technology Coordinator for the United Nations School of Hanoi, wrote an article about his reflections of SAMR after he attended a SAMR seminar directed by Dr. Ruben Puentedura.
- <https://sites.google.com/site/musictechintegrate/samr> - Cherie's website with SAMR resources
- <http://www.teacherpaul.org/2889> -
- <http://www.teacherpaul.org/#> - SAMR Flowchart
- <https://www.common sense media.org/videos/introduction-to-the-samr-model> - Videos with Dr. Ruden Puentedura explain the SAMR model and how to apply it.
- <http://www.hippasus.com/rrpweblog> - Dr. Ruden Puentedura's blog with many handouts and notes from his presentations.
- <http://www.schrockguide.net/samr.html> - Kathy Schrock, an educational technologist, has a website with her "guides to everything" from SAMR to iPads for teaching.

- <http://techtipsedu.blogspot.com/2013/11/samr-model-metaphor-mistakes.html> - Jonathan Brubaker, a 7th grade English teacher, wrote a blog post about SAMR and its model, metaphor, and mistakes.
- <https://www.youtube.com/watch?v=us0w823KY0g> - SAMR model in 120 seconds.
- <http://catlintucker.com/2013/10/beyond-samr-the-teachers-journey-to-technology-integration/> - Catlin Tucker, a Google Certified Teacher and author, wrote a blog post about the teacher's journey to technology integration using SAMR.
- <http://holtthink.tumblr.com/post/43093929220/samr-model-and-starbucks-coffee> - Tim Holt's article on comparing SAMR to Starbucks's coffee.
- http://www.hippasus.com/rrpweblog/archives/2012/09/03/SAMR_ThoughtsForDesign.pdf - Questions to ask when transitioning through the SAMR ladder.
- <https://www.graphite.org/blog/samr-and-bloom-taxonomy-assembling-the-puzzle> - Dr. Puentedura's blog post about SAMR and Bloom's Taxonomy.
- <http://nd.music.msu.edu/music-learning-technology-william-bauer/> - William Bauer's article titled *Music Learning and Technology* which addresses examples of SAMR in the music classroom.
- <http://blairfinchproject.wix.com/samr> - Two music teachers, Abigail S. Blair and Kathryn Finch, created "The Blair Finch Project" to show how they integrate technology into their music classrooms. They give great examples of SAMR and TPAK.
- <http://hookedoninnovation.com/tag/samr/> - Carl is the Director of Innovation & Digital Learning in the Eanes Independent School District. He is also the founder of the learning festival called iPadpalooza. In this article, he compares his reinterpretation of the SAMR model to a swimming pool. Interesting read.