

Art Integration Paper

Arts in STEM: Advancing Meaningful Integration
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Sketch Noting Enhancing Learning

As a Middle School educator in core classes (Humanities) as well as technology I have a huge interest in the Art Form of Sketch Noting. I have been following the educator Sylvia Duckworth via Twitter and Facebook for several years and in February this year I had the opportunity to join a workshop session at a conference in Mumbai, India with Silvia Rosenthal Tolisano (also a sketch notes advocate). The session was on Documenting Learning and a critical component of that is Sketch Noting. Sketch Noting allows students to note down key concepts, engage students, communicate the details and the big picture as well as provide visual cues for learning.

As described by Mike Rhode, the author of *The Sketchnote Handbook*, Sketch Notes are "...rich visual notes created from a mix of handwriting, drawings, hand-drawn typography, shapes, and visual elements like arrows, boxes, and lines". Sketch Noting allows students to note down key concepts, engage students, communicate the details and the big picture as well as provide visual cues for learning.

I offer Sketch Noting in core classes as well as STEM and Technology classes as at times students need a different medium to express their ideas, we have become so technology heavy that students like to use creativity to show their ideas instead of just computer graphics and text. Sketch Noting allows for planning, discussion and differentiation, it could also be used for pre assessment and post assessment activities. In addition, students have the tools to sketch out designs, annotate and keep a journal record of how their ideas and prototypes change over time.

Using Sketch Noting in interdisciplinary Lessons, Discussion and Activities.

The uses of sketch noting in the classroom, are only limited by one's creativity. Sketch notes can be used in any class, discussion or activities. From students explaining the notion of comparing two fractions with the same numerator or the denominator by providing critical reasons on size, to sharing the characteristics of a Most Valuable Player in a football team to design tech challenges on building android minimum value products.

Connecting to content areas.

When researching additional resources, as mentioned my go to mentor is Sylvia Duckworth. Through her blog, she shared a valuable google presentation on [Sketchnoting for Beginners](#). In the presentation Sylvia shared some student examples provided by classroom teachers, one such teacher is [Stacey Duval](#); from the science classroom classification of matter to memorable travel experiences and main ideas from informational texts. For me, in a stem class with when reviewing engineering design principles and prototyping, Sketch Noting would be a valuable tool for a variety of assessments

Duckworth, S. Connect, Collaborate, Connect. <https://sylvia Duckworth.com>

Rohde, M (2013). The Sketchnote Handbook; The illustrated guide to visual note taking. Peachpit Press, San Francisco.