



Curated Resources for Mathematics

Gap Closing Mathematics

This Ontario Education website offers Gap Closing math resources developed by Dr. Marian Small. They are “*designed for students who need additional support in mathematics. For each topic in the resource, there is a diagnostic and a set of intervention materials. Diagnostics are designed to uncover the typical problems students have with a specific topic.*”

http://www.edugains.ca/newsite/math/gap_closing.html

Three-Act Math

Dan Meyer’s TED talk begins with the lines: “*I teach high school math. I sell a product to a market that doesn’t want it, but is forced by law to buy it. I mean, it’s just a losing proposition.*” Dan’s answer to this predicament was to develop an engaging approach to problem solving that develops mathematical reasoning and includes visual representations of real-world math problems. **First, watch Dan’s TED Talk:**

https://www.ted.com/talks/dan_meyer_math_curriculum_makeover/transcript?language=en#t-47897

Then, try some Three-Act Math problems developed by Graham Fletchy:

<https://gfletchy.com/3-act-lessons/>

Math 6 Spy Guys

This is a fun, interactive website designed by Alberta Learning to support the teaching of Grade 6 math concepts. Many are appropriate for either a PWT or TST class. For example, the area and perimeter lesson is great for practical tasks which might be found in the workplace.

<http://www.learnalberta.ca/content/mesg/html/math6web/index.html?page=home>

Flocabulary

www.flocabulary.com produces animated “rap” music videos which use repetition and rhythm to help students remember basic math rules. Full access requires a paid subscription, but a few videos are freely available free on YouTube.

Recently available examples are below, or search YouTube for Flocabulary:

Order of Operations: PEMDAS

<https://www.youtube.com/watch?v=zanq7gmXY88>

Dividing Fractions: Keep, Flip, Change

<https://www.youtube.com/watch?v=uMz4Hause-o>