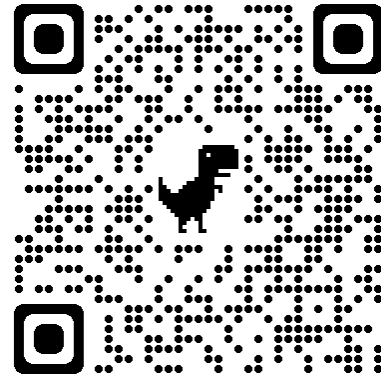


# Assessing While Learning

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## ***During this presentation we will spend:***

- 1) Short amount of time on:
  - a) Defining Formative and Summative Assessments
  - b) A quick review of some neuroscience topics that relate to the learning, switching tasks and asking questions.
  - c) A short discussion of some topics including the following as we preview the various tools:
    - i) Is there a mathematical ceiling for students? (Ben Orlin, *Math Ceiling*)
    - ii) Do we make it too easy for our students or help them too much? (*Unintended consequences in best practices what we did TO our students when they didn't get it, Math-World Liaison*)
    - iii) Getting the students to think.
  
- 2) The majority of the time on:
  - a) Reviewing features, uses, and benefits of the following free formative assessment and reflection tools. There are many options within each of these tools but here is a short summary of the ones I use.
    - i) Mentimeter.com
      - (1) 2 question option is good for reflections and metacognition activities
      - (2) 5 question quiz option works well for quick check of understanding.
      - (3) Results are downloadable but not summarized for every student individually.
    - ii) Socrative.com
      - (1) Summary and final results are available as a .pdf.
      - (2) Assessment can be written in a spreadsheet template and uploaded.
      - (3) Saves 5 assessments in account. So may be more efficient to present questions on overhead and enter choice in Socrative.
    - iii) Whiteboard.fi (This is my go to tool for multiple formative assessments in one class session.)
      - (1) Students can submit images.
      - (2) Results are downloaded to a .pdf.