

Notes for the Math Teacher Educators (MTEs)

***The set of four modules are designed for teacher candidates (TCs) in methods courses and/or Inservice teachers in a masters level course in mathematics education. We will refer to them as teachers.

EQTtech Module 2: Prepare Exploring Instructional Activities for Math Tech-knowledge for Equity

[Lesson Slides](#)

[Video Overview](#)

Overview of Learning Activities

- 1. Activity 1: Explore Tools**
 - a. Teachers will explore various technology and reflect on how they can promote the dimensions of the Equity-centered Transformative Technology Tool (EQTtech)
- 2. Activity 2: Identify Learning Goals**
 - a. Teachers will Identify the learning goal for a mathematics lesson and use your text and consider the learning progression as you explore some technology activities
- 3. Activity 3: Planning Activities**
 - a. Teachers will Identify three learning activities focused on a mathematics concept that you are teaching/assessing

Math Teacher Educators' (MTEs) Notes

Structure Notes:

- On slide 3, there are links to take you to the locations in the deck where teachers will be responding to different prompts to ease review of their reflection
- Slides, where teachers have to complete a reflection or respond, are colored in green and have an image of a pen to indicate work that should be completed by the teacher
- Teachers will be responding and reflecting in the module. There is space in the slide deck for their responses, but they will each need their own deck. You can also choose to have them respond using a different platform.

Activity 1: Explore Tools

- Launch into the day's lesson on Slide #6 by revisiting the Equity-centered Transformative Technology Lesson Analysis Tool
- Slides #8 through #12 introduce teachers to technology that has potential to highlight each of the dimensions.
- After exploring each technology, teachers respond in the text box or your preferred tools.
 - Suggested ways to have Teachers respond to the prompts:
 - Duplicate the slide and respond on Google Slides
 - Respond in a FlipGrid
 - Respond on a Jamboard
 - Respond on a Nearpod Collaborate Board
 - Respond on a Seesaw

Activity 2: Identify Learning Goals

- Slide #13 shared information on how establishing learning progressions in an equitable teaching practice.
- Slide #15 provides a template for teachers to set a learning goals that will advance the learner along the developmental learning progression.
 - Teachers can respond on their own slides, or using your preferred tool.

Activity 3. Planning Activities

- In this activity, teachers will connecting the math learning goals they identified in Activity 2 to Technology integrated learning activities.
- Have teachers consider a math learning goal that they are preparing to teach as the next activity will allow them to go on a scavenger hunt on vetted sites to find relevant learning activities
- Slide #16 provides a template for teacher's to identify 3 different learning activities based on their learning goals. You can have the teachers submit their plan using your choice of tool.
 - The parts of the template include:
 - Identify three technology apps/lesson ideas for the chosen learning goal. The attach a screen shot as well as the url to the site.
 - State a rationale for how the technology supports the learning goal
 - Identify specific technology affordances and/or constraints

(Plus, minus, interesting features)

- Suggested Submissions Tools
 - Word/Google Docs
 - Powerpoint/Google Slides
 - Seesaw