

# BUILDING ENGAGING ONLINE ASSESSMENTS WITH TECHNOLOGY ENHANCED ITEMS (TEIs)



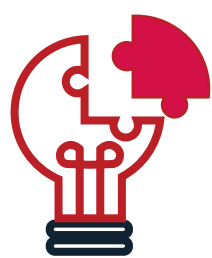
Today's modern digital assessments are not only unifying testing, instruction, and learning into a single experience but are also becoming increasingly personalized. Some of the key tools driving this are Technology Enhanced Items and Portable Custom Interactions (PCIs). These are complex assessment items that measure 21st century skills like critical thinking, problem solving and collaboration.

## Moving Beyond Multiple Choice: The Benefits of TEIs

Engage students with interactive, multi-step items



Assess deeper problem solving and collaboration skills



Help educators identify and close student achievement gaps



Enable personalized learning



## TAO TEIs

TAO's built in item interactions include basic interactions like multiple choice, as well as common TEI interactions, graphic TEIs (many of which are adaptations of common TEIs) and custom PCIs. These tools also offer the opportunity to create digital assessments that can provide immediate feedback, hinting, and other useful formative features.

### Common TEI Interactions

- Matching**
- Hot-Text**
- Inline Choice**
- Media**
- Extended Text Area**
- Slider**

Order  
Gap Match  
Associate

### Graphic TEI Interactions

- Hot-Spot**
- Select-Point**

Many common TEIs, like order, gap-match and associate, are also available as graphic TEIs in TAO, allowing you to create interactions on an image.

## TEIs vs. PCIs: What's The Difference?

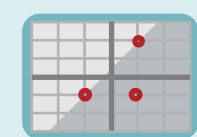
Portable Custom Interactions are TEIs built on the IMS QTI PCI standard. By nature, PCIs are open assessment tools; the standard ensures your items are interoperable between different assessments and platforms. PCIs also capture log data, allowing you to drill into student learning processes to understand how test-takers solve problems.

## TAO PCIs

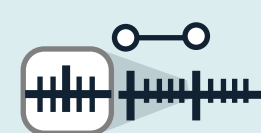
TAO's built in PCI items allow you to capture data within the interaction, and provide rich and immediate feedback to educators that can inform instruction in real time. TAO can also create completely custom TEIs and PCIs for clients using TAO Enterprise.



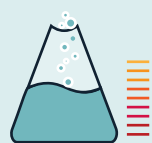
Graph simple and advanced functions, including linear, absolute value, quadratic, logarithmic, exponential, Sin/Cos and Tan/Cotan.



Deliver line & point graphs that allow students to plot basic linear equations, create scatter plots and graph solution sets.



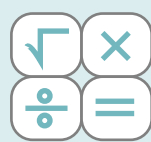
Leverage number lines with zoom capabilities for defining the relationship between two points on a line.



Convey the concept of volume with an interactive widget that simulates liquids.



Demonstrate fractions through an interactive visual widget.



Provide math entry tools to allow students to enter complex math equations.



Provide a text reader that allows students to compare text passages.



Introduce interactive audio components that capture short verbal responses.



Gauge test-taker favorability or feeling with a likert scale.

## ABOUT TAO

TAO, from Open Assessment Technologies, is the leading open source assessment platform for education and career advancement. For organizations who want the freedom to control their testing solutions, TAO's modular & interoperable design empowers you to break free from proprietary silos, eliminate licensing fees and claim full ownership of your test content - while backed by support from our team.

[Learn More](#)