

ITS is the versatile system that manages the development of test items and stimuli, from their creation, to their review stages, to their placement on tests. Items are the questions that appear on tests, and stimuli are reading passages that students use to answer associated items.

AIRCRAFT is a state-of-the-art authoring tool within ITS that content writers use to create the advanced items and stimuli that ITS manages. It supports many item types; such as: graphic response items, equation, simulation interactions, and technology enhanced third-generation items.

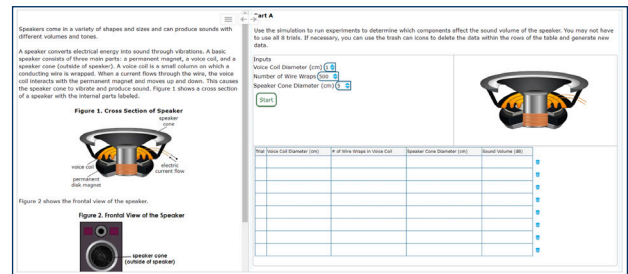
## AIRCRAFT Helps Test Content Reach New Heights

Knowledge takes on many different shapes, so why should test items be confined to one form of thinking? AIRCRAFT lets us build items that students can interact with in brand new ways, from dragging words onto images, to building bar graphs and recording answers orally.

Not only that, but AIRCRAFT can combine interaction types together into high-tech items that engage students in numerous ways all at once.

## Building Advanced Items

AIRCRAFT's dynamic item canvas gives content writers the freedom and flexibility to create new and exciting items. Our third-generation items leverage computing power to guide students through scaffolded, authentic performance tasks.



## Upgrade Test Content with Accessibility Features

Content writers can add features to AIRCRAFT items that ensure they're accessible to all students.

- American Sign Language videos can be uploaded to translate the content in items.
- Content writers can enter the Braille output for items in order to accommodate students testing with Braille readers.

## Save Time with AIRCRAFT's Machine-Scoring Rubric Editor

Scoring responses by hand can be a time consuming process that stands between you and your students' test results. That's why AIRCRAFT uses a high-tech rubric editor tool to score items automatically.



After the machine-scoring rubric is set up for an item, it is tested to make sure that it scores each potential item response with perfect precision.

## ITS Conducts the Item Workflow

ITS empowers fully customizable workflows of the numerous items and stimuli to ensure each item is fair, reliable, and valid. The organized layout of ITS's user interface makes it easy to track items from the time of their creation to time when they are added to tests.

- Items and stimuli in ITS are organized into item banks based on the types of tests they will be added to.
- Attributes can be applied to items and stimuli to identify everything from their grade level to the type of layout their test pages will need to use.
- Items and stimuli are thoroughly vetted until they are approved for publication.
- Approved items and stimuli are added to test forms and blueprints constructed in ITS. Whether your assessment program requires fixed-form tests or adaptive tests, ITS can help build them.

## Only Fair and Accurate Items Pass the ITS Review Process

Clear. Effective. Impartial. Reliable. These are all mandatory qualities for each and every item and stimulus developed in ITS. In order to ensure that each item meets our highest

standards, it is submitted to a scrupulous and seamless review process.

This review process is very customizable. AIR works with the client to design a comprehensive review workflow. It generally involves multiple stages of approval, both by AIR and any committees required by your assessment program.

1. Reviewers in ITS select submitted items in order to preview them exactly as they would appear to students on a test.
2. Reviewers can choose to promote the item to the next level of review or return it to the content writer for further revision.
3. Reviewers within AIR and your assessment program will be able to easily access and review the item when it reaches the appropriate stage in the workflow.
4. Once an item is approved at the final level, it becomes locked and is ready to be added to tests.

Beyond the standard review process, ITS includes a Content Rater feature to ensure that our items reach their full potential. The Content Rater feature is used to set up panels and studies in order to inspect the quality of our items on a regular basis.

This guarantees that each item is written without bias and is sensitive to the students who will see it in tests. Through innovations like these, AIR goes the extra mile to make sure our items are a reliable and inclusive measurement of knowledge for all students!