# **GRADES 6 - 12 CURRICULUM OVERVIEW**





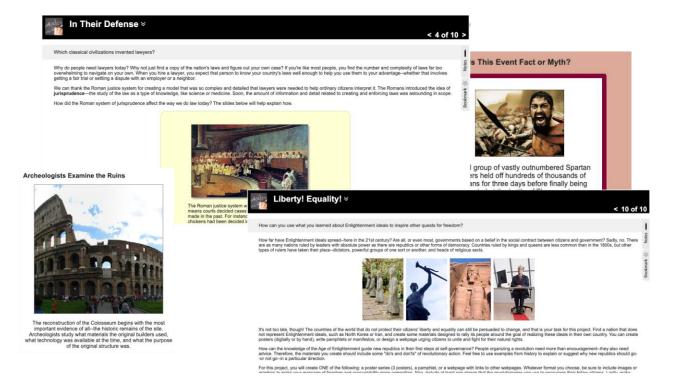
Accelerate Education's 6-12 courses are designed to engage students with different learning styles and abilities, utilizing rich, interactive learning assets that provide both visual and auditory stimulation. Using cutting-edge technology, the courses offer rich, rigorous, in-depth standards aligned multimedia lessons.

Students interact with this content via multiple presentation formats, including photos, visual learning animations, videos, interactive text, and guided and independent practice activities. These resources are especially powerful for relating instructional concepts to real-world contexts.

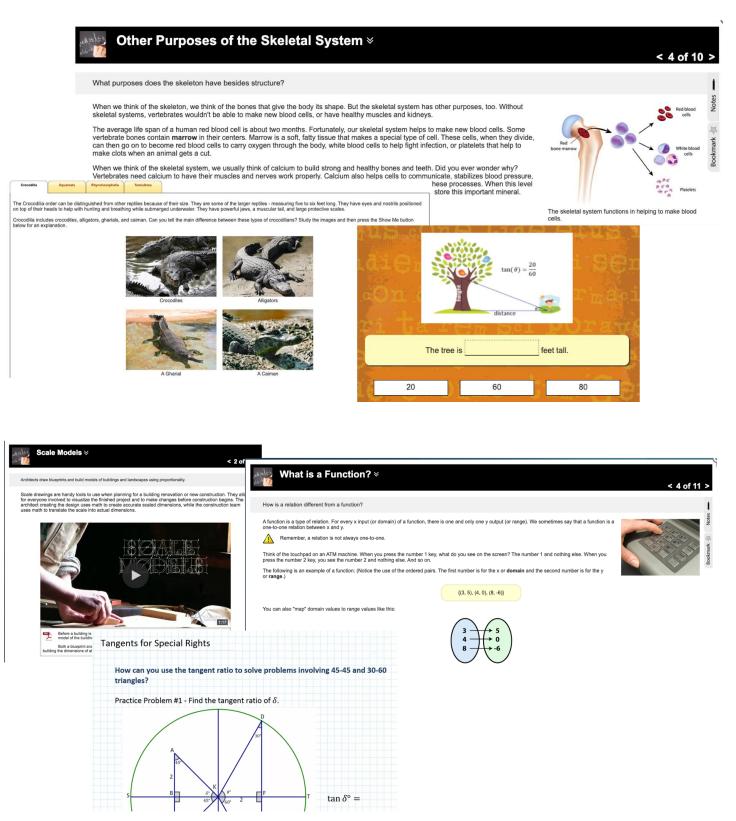
### Lesson Pages

The first page students see when they enter a lesson is an Introduction page that summarizes the objectives of the lesson, any prerequisites or materials required to complete the lesson, and a list of key words referenced in the lesson.

Ensuing lesson pages contain a combination of written direct instruction, interactive videos, as well as frequent practice activities.







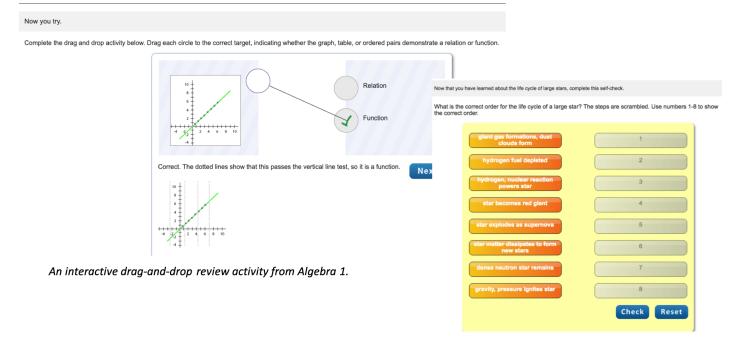


## **Guided and independent practice activities**

Students will encounter many chances to practice and get immediate feedback on their progress through a variety of guided and independent practice activities. Practice activities may include:

- Interactive multiple-choice questions with immediate feedback and hints
- Drag-and-drop diagrams, lists, charts, and illustrations
- Graphic organizers to review and organize thoughts

Independent Practice activities with scaffolded feedback allow students to check their knowledge and optimize their use of review material prior to taking lesson assessments.



An interactive drag-and-drop review activity from Earth Science.

## **Multimedia**

Accelerate Education's 6-12 courses use multimedia extensively to engage learners and address multiple learning styles. Multimedia presentations enhance concepts presented in the text, connect content with related subject areas, and assist students in grasping key ideas. Videos are included in each module and are integrated into many of the project-based lessons. Examples include the following:



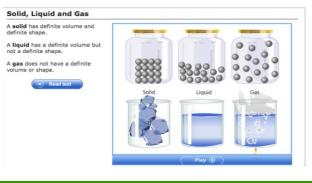
#### Laboratory Demonstration

Major concepts in 6-12 science courses are presented as hypothesisdriven experiments. Videos provide experiential learning opportunities and show how science applies to daily life. After an experiment is completed, students are encouraged to take what they've learned and ask more probing questions. Proper lab safety and data collection are demonstrated.

#### **Enhancement Videos**

Videos are employed to enhance instruction on complex assignments. This video provides guidance about working on an analytical research project.

#### Video tutorials and demonstrations of scientific concepts



#### Learning to create a research plan

What strategies can you use to find information to analyze?

Later in this lesson, you will create a research plan that will guide your work on an analytical research project. Before you settle on a plan, though, you may want to do some initial, preliminary searching. Most students start by tying search terms into an internet search engine like Googie or Yahoo. The search results delivered by one of these systems will probably give you plenty to read. There are better strategies, though, than going down the list of links and clicking on all of them.



#### **Video Tutorials**

Videos are used to develop critical thinking and model problem solving skills. This multimedia tutorial demonstrates how students can use manipulatives to model and solve problems. These videos help students tie lesson concepts to real-world contexts and experiences.

#### Videos teaching critical thinking and problem solving

Picture Perfect

What size frame do you need for that poster?

Let's say you just received a poster of your favorite band for your birthday. You'll want to frame it so you can hang it up in your room, right? This video shows you how to calculate the exact dimensions and area of a frame for any poster.



#### Science in the World Videos

Videos provide students an opportunity to look at the real-world relationships of concepts covered in science courses. These videos are designed to engage students' curiosity and motivate them to move into the module.

#### Lessons teach real-world application of curriculum

