Adaptive Competency eLearning

THE ACE MODEL

Adaptive

Support Students and Teachers

Our ACe courses give students targeted instruction based on their demonstrated understanding of the lessons and assessments. These personalized learning pathways allow students to work ahead, or take their time through difficult concepts. Allowing students to work at their own pace enables teachers to spend more time on small-group instruction, while feeling assured that every student is reaching their full potential.

Remediate and Enrich

In our quest for student-centred learning, we have designed a program that targets instruction to students' current level of understanding, allowing them to fill in gaps of knowledge at their own pace:

- If students achieve less than 75% on a competency, the Learning Environment provides targeted remedial lessons to help students advance to the next concept.
- If students achieve above 75%, they can advance to the next module of study
- If students achieve 90% or above, they are given cross-curricular enrichment activities and projects that students can add to their portfolio.

A pathway through Hekademia's ACe Algebra course
Reasoning with Polynomial Functions - Polynomial Expressions

Figure 1* These percentages can be adjusted for your school.
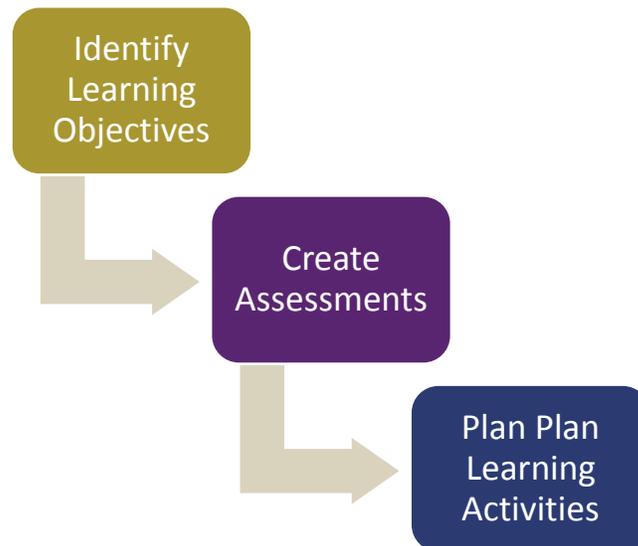
Competency

The Benefits of Competency Education

In a competency-based system, barriers of time and place are removed so students can explore lessons at their own pace, watch and re-watch videos, revisit tests, and re-do activities until they have mastered a concept. Students learn at their own pace, improving their success rates. As is the case with life outside the classroom, competency-based education prepares students to persevere through difficulty, since failure is often part of the learning path. Their success serves as motivation for life-long learning.

Our ACe Model

Our Adaptive Competency eLearning courses offer various pathways for students to achieve success. Each topic includes a rich mix of written instruction, audio/visual elements, videos, and interactive games. When students require remedial support, topics are broken down further with differentiated methods.

Our rigorous design process begins by creating student-friendly learning objectives from the CCSS and state standards. We then work backwards to ensure that they are all appropriately instructed and fairly assessed. Each quiz question and rubric is aligned to a learning objective so teachers can be sure students are meeting each standard as they move through the course.

Identify Learning Objectives

Create Assessments

Plan Plan Learning Activities

Our assessment philosophy aligns with the *Black and Williams model* of instructional design, featuring *assessments for learning (practice activities), assessments as learning (reflections of knowledge and skills),* and *assessments of learning (evaluations of learning).* Progressions of *assessments for learning* prepare students to be evaluated and scaffold the skills they need for their lives after high school.

eLearning

Online or Blended

Our courses are the perfect enhancement for classroom-based instruction in your school or district. Teachers can implement our courses in their entirety or use our interactive lessons, activities, and video content as a supplement to their classroom instruction.

Turnkey eLearning

Using our courses gives teachers and students full access to our Brightspace Learning Environment by D2L, which means you do not have to sign up, pay for, or maintain your own Learning Environment. Students receive their own log-in credentials to our courses to track their work and individual learning pathways. Teachers and administrators have unique log-ins to view student progress, evaluate and provide feedback, and to make use of the teacher resources and solution sets for each lesson.

A suite of Learning Environment tools like the quiz engine, Dropbox, ePortfolio, and discussion board, draw students and teachers into a collaborative and productive eLearning experience:

- Students, teachers, and administrators can collaborate effortlessly using system email accounts.
- Teachers are notified via email when students submit work to the drop-box, contribute to discussions and when students are struggling on a particular task.
- The gradebook makes it easy for students to track their progress, and for teachers to monitor a student's performance easily.
- The report card tool allows teachers to create midterm and final reports and submit them online to school administration.

Let your teachers teach, and let the Learning Environment tools free teachers from classroom administrative tasks.