Course Design Toolkit

ASSIST is a course design tool that allows instructional designers to rapidly create SCORM conformant instruction that is adaptive and interactive. ASSIST provides a library of known, effective, pedagogical strategies that course designers can apply to instruction with modularized content. The adaptive instruction uses IMS Simple Sequencing with open support for emerging standards. The result is instruction that is adapted to the individual learner making it more motivating, effective and cost efficient. Better instruction leads to better learning and better performance outcomes.

Content Packaging and Metadata Management

Frameworker enables courseware developers to easily assemble, catalog and reuse SCORM packages. Its “drag and drop” interface provides for medtadata editing, supporting IEEE Learning object Metadata (LOM) and industry-specific standards and taxonomies. Complex XML schema are simply manipulated by users, with values customized to each organization’s processes and terminologies. Frameworker integrates with most LMS’, authoring systems and CORDRA.

Reading Comprehension Intelligent Tutor

GradAtions®, a web-based tutor, provides intelligent, adaptive instruction to enhance reading comprehension skills and to improve content learning. Using best practices in reading instruction, GradAtions® includes automated tutoring and guidance techniques for vocabulary, fluency and accuracy. Using any text, GradAtions® evaluates the difficulty level of new material for an individual reader. It presents the reader with an appropriate level of difficulty and then guides the reader in stages defined by the relative difficulty and relatedness of portions of the reading material.

Assessment Authoring and Online Delivery

Team Readiness Assessment Program (TRAP) is an innovative online assessment tool for the development, delivery and automated scoring of free-text and multimedia assessment items. TRAP’s free-text response test items use IAI’s proprietary algorithms that are specifically designed to score either long or short answer responses. Questions may be presented auditorally using TRAP’s speech synthesis technology and also whenever response to an auditory input is part of the assessment.