Comprehensive Instructional Improvement and Effectiveness System

Galileo® K-12 Online provides a standards-aligned comprehensive assessment system backed by a rigorous research-to-practice program that transforms high-powered data analyses (e.g., Item Response Theory [IRT]) into practical reports that make a measurable difference in teaching and learning. Galileo provides multiple types of reliable and valid assessments (e.g., benchmark, formative, pre-post, adaptive). Intuitive test construction interfaces and high-quality item banks also support the design and online/offline administration of district, school, and classroom assessments. Multi-level Dashboards provide real-time, actionable information about student learning to guide instruction, intervention, and enrichment. Moreover, Galileo’s integrated Digital Curriculum Platform helps to fully connect assessment and instruction.

**COMPREHENSIVE ASSESSMENT SYSTEM**
- intuitive tools to create, manage, and administer multiple types of district, school, and classroom assessments
- robust ATI Secure and Community Item Banks in K-12 ELA, mathematics, and science with additional item bank options
- aligned to state-test blueprints or customized pacing guides
- powerful Item Response Theory (IRT) statistical analyses measuring growth, forecasting state test performance, & providing categorical growth analyses of instructional effectiveness
- valid and reliable data to facilitate effective instruction
- flexible methods for online or offline test administration with scanning technology

**ITEM BANKS**
- high-quality, standards-aligned items to engage students in complex thinking promoting college and career readiness
- rich selection of item types in K-12 ELA, mathematics, and science including technology enhanced items
- powerful item metadata and multi-tiered validation process driving reliability, validity, and forecasting accuracy
- additional item bank options from ATI partners

**RESEARCH**
- application of Item Response Theory (IRT) techniques to establish item characteristics (difficulty, discrimination, and guessing)
- application of IRT placing scores from multiple assessments on a common scale to assess student growth
- identification of cut scores forecasting likely student performance on statewide assessments
- annual determination of expectations for student growth

**Comprehensive Assessment System**

**DISTRICT**
- PRE-BUILT
- ATI Comprehensive Benchmark Assessment Series
  - Aligned to your state test blueprint & designed by ATI experts
- ATI Assessments
  - Including Pre/Posttest, Instructional Effectiveness Tests, Early Literacy/Math Tests, College Prep Tests & many more
- ATI Optional Assessments
  - Adaptive Placement Tests

**CLASS**
- PRE-BUILT
- ATI Formative Assessments
  - Assessing individual standards for use in instruction, reteaching, & enrichment
- CUSTOMIZED
  - Educator Created Assessments
    - Designed using Galileo Test Builder & Item Builder or imported using Automated Score Key (ASK) Technology

**Powered by ATI Research**

IRT analyses for district assessments go beyond percent correct to measure growth & achievement & to forecast state test performance.
Galileo® K-12 Online

DASHBOARDS AND REPORTING
- Teacher, Admin, and Parent-Student Dashboards provide easy access to actionable information including data relevant to further reporting, instruction, and assessments
- interactive calendar
- instructional & assessment design and scheduling tools
- tools to facilitate access to instructional materials
- easy-to-interpret real-time graphical reports based on high-power statistical analyses procedures
- reports that use IRT to provide standards mastery classifications guiding differentiated instruction including:
  - skill mastery instruction guided by the Test Monitoring and Detailed Item Analysis Reports
  - standards mastery instruction guided by the Intervention Alert and Instruction Performance Tracker
  - pattern of progress instruction guided through the Student Growth and Achievement Report
- access to differentiated instructional learning resources aligned with student needs and pattern of progress including Galileo Instructional Dialogs and resources from KHAN ACADEMY® and EngageNY.

DIGITAL CURRICULUM PLATFORM
- a suite of online instructional tools that support the design building and implementing and monitoring of curriculums and lessons tailored to meet student needs
- easily integrate existing curriculum content, develop new content, and modify curriculums as needed
- easily design and disseminate units of study
- efficiently develop and implement lesson plans
- design empirically-based differentiated instruction
- rapidly link curriculum to benchmark, formative, and other types of assessments
- monitor student progress, standards mastery, and instructional impact
* KHAN ACADEMY® materials are available free at www.khanacademy.org.

INSTRUCTIONAL EFFECTIVENESS
- educator proficiency rating tools and reports supporting classroom observation and guiding professional development
- state-of-the-art statistical analyses and actionable reports providing data to inform professional development, enhance teaching and leadership skills, and elevate student performance

SUPPORT & PROFESSIONAL DEVELOPMENT
- responsive technical support including implementation planning, project management, and technical and application-use support
- comprehensive, customized professional development and support on implementing and managing all aspects of Galileo K-12

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