

Accucess

Adaptive Assessment



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Introduction

Accucess is an assessment instrument that provides individualized placement into the Plato curriculum. It is targeted to the individual learning needs of students in Mathematics, Language Arts, and Reading Skills and Comprehension. Accucess adapts to a student's instructional level by administering items during the test based on the student's response to the previous item. This custom approach to assessment results in accurate and efficient placement into Plato curriculum.

Accucess is an efficient assessment solution that can also connect students to the resources they need to achieve academic success. Upon completion of an Accucess content area assessment, student performance is reported as a curriculum score based on the Accucess scope and sequence table. Accucess provides the option to automatically assign an individualized learning plan to address needed instructional objectives and help students fill gaps in knowledge.

Products

Accucess tests are available for Reading, Language Arts and Mathematics. Refer to the table below to determine which tests are available for your account.

Accucess Tests	Grades
Accucess Language Arts Test	Grades 2-12
Accucess Mathematics Test	Grades 2-11
Accucess Reading Skills and Comprehension Test	Grades 2-12

Purpose

Accucess is currently intended for students who are in grades 5-12. Designed to be a quick, adaptive assessment, the learner is placed in a level of the curriculum where they can successfully work independently or with some support. Delivery of instruction is determined by a placement tool that adapts to learner responses and identifies an appropriate skill level to begin instruction.

Accucess can be a useful tool in interventional programs, supporting instructors in identifying current skill levels of learners who are severely behind, and/or whose instructional level (within the curriculum) is unknown. Accucess can also support schools with heavy transient populations where it may be necessary to evaluate a student's skills and get them working in appropriate curriculum as soon as possible.



Benefits

Accucess benefits you and your learners in the following ways:

- Evaluate student knowledge and skills before beginning an instructional unit or semester, with results used to determine areas of special emphasis and focus.
- Identify strengths and weaknesses of individual students and/or entire classrooms.
- Evaluate student learning following a specific learning activity or set of activities.
- Evaluate student knowledge and skills toward the end of an instructional unit or semester, with results used to measure what students have learned and determine what areas may need further work.

Process Overview

Step	Description
1	Learners begin Accucess by taking one or more subject specific tests to determine their curriculum level.
2	Upon completion of the test, Accucess automatically generates an individual prescriptive learning path based on the learner's test performance.
3	Learners then complete the Plato courseware within their prescriptive learning path to move towards their target grade level.



Understanding the Relationship Between the Assessment and Courseware

Accucess determines the learner's curriculum score and uses that score as a starting point to place learners into Plato curriculum. The following Plato courseware is used in the prescriptive learning paths:

Accucess Language Arts

- Advanced Writing Process and Practice
- Plato Course English 11, Semester A v4.0
- Plato Course English 11, Semester B v4.0
- Plato Course English 12, Semester A v4.0
- Plato Course English 12, Semester B v4.0
- Essential Writing Process and Practice
- Fundamental Writing Process and Practice
- Intermediate Writing Process and Practice
- Miscellaneous Language Arts Resource
- Writing Series

Accucess Mathematics

- Foundational Mathematics
- Plato Course Algebra 1, Semester A v5.0
- Plato Course Algebra 1, Semester B v5.0
- Plato Course Algebra 2, Semester A v5.0
- Plato Course Algebra 2, Semester B v5.0
- Plato Course Geometry, Semester A v4.0
- Plato Course Geometry, Semester B v4.0
- Plato Course Math 6, Semester A v2.0
- Plato Course Math 6, Semester B v2.0
- Plato Course Math 7, Semester A v2.0
- Plato Course Math 7, Semester B v2.0
- Plato Course Prealgebra, Semester A
- Plato Course Prealgebra, Semester B
- Plato Course Precalculus, Semester A v3.0
- Plato Course Precalculus, Semester B v3.0

Accucess Reading Skills and Comprehension Test

- Advanced Reading Strategies
- Essential Reading Skills

- Essential Writing Process and Practice
- Fundamental Reading Strategies
- Informational Reading
- Intermediate Reading Strategies
- Miscellaneous Language Arts Resource
- Plato Course English 9, Semester A v3.0
- Plato Course English 9, Semester B v3.0
- Plato Course English 10, Semester A v3.0
- Plato Course English 10, Semester B v3.0
- Plato Course English 11, Semester A v4.0
- Plato Course English 11, Semester B v4.0
- Plato Course English 12, Semester A v4.0
- Plato Course English 12, Semester B v4.0
- Reading Explorations
- Vocabulary and Reading Comprehension - Stories and Literature
- Vocabulary and Reading Comprehension - Information and Expository Text



Assessing Learners

Once you assign an Accucess test, learners begin by taking the assessment test.

- Each test covers approximately 30 questions that will provide reliable results based on the Accucess adaptive algorithm and item pools.
- The time depends on the learner, but the test does allow the learner to save and exit the test so that it can be finished at a later time.

Selecting a Grade Level

You should match the skills of each learner's capability to the starting level when assigning an Accucess test.

The target level represents the level where the learner should be performing. So if the learner is starting 8th Grade, their target grade level will most likely be 8th grade to ensure they are provided with the curriculum in their learning plan to be successful at this level.

Description

When assigning Accucess, the system asks the instructor to enter a starting skill level. Starting learners at the correct level decreases the amount of time they need to complete the assessment test.

Not selecting a skill level

If you do not select a skill level, the learner begins the Accucess test at the default level for that test. If you are not sure where to start the learner, start them at 6th grade level.

Confidentiality

Only instructors and administrators have access to a learner's starting grade level in the system. Learners will know their starting level in their prescriptive learning path identified by letter, not the associated grade level or levels.

Completing the Assessment

Once the learner reaches the highest level they can master, the test will end. The system automatically generates a curriculum score and creates an individual prescriptive learning path for the learner. Since the assessment test time depends on the learner, he or she may take the test in several sessions. They can exit the test and not score it by following the on-screen instructions, then resume the test at a later time.

Understanding the Curriculum Scale Score

Accucess is based on a measurement scale that corresponds to the Plato instructional curriculum, enabling the individual administration of assessment items that extend beyond a single grade level—from elementary school to high school.

The Curriculum Score that Accucess yields upon completion of the assessment is directly correlated with the curriculum scope and sequence. Through its adaptive process Accucess places a student in Plato curriculum and subsequently assigns the appropriate learning path for that individual.

While scores from Accucess are designed to have a high degree of placement accuracy in relation to a student's actual achievement level, some learners may still obtain scores higher or lower than their current instructional classification due to statistical error introduced by inconsistencies in the pattern of responses that a specific student provides to the questions that they are presented. Educators should consider these instances on an individual student basis and determine the appropriate entrance for a given student into the curriculum based on all of information available. Students scoring higher than their current instructional classification can be provided with enrichment opportunities for learning using the prescribed curriculum modules.

Determining the prescription

Upon completion of the assessment test, learners receive an individual prescriptive learning path assignment. At any time, they may review courseware levels and objectives already mastered or they may use the pretests in the prescriptive learning path to exempt courseware they have already mastered.

Accucess tests allow each learner to have a learning path unique to his or her individual needs.



Reports

Below is a description of what will be available for Accucess tests on each report:

Accucess Reports			
	Report Description	Report Setup Parameters	Accucess
Curriculum Reports Platform 2.0			
Class Usage Summary	Class level usage - time on task and time on system	Can select one or more classes and/or locations in the account structure, date range	Time spent taking test appears in csv, included in summary calculations for pdf
Data Extract	Learner progress and usage by class and assignment - summary data	One or more locations, one or more classes, no dates	Accucess assignments and resulting prescription assignments are included in report
Learner Daily Usage by Class and Assignment	Time on Task and in System for learners	One class, one or more learners, one or more assignments, date range	Includes Accucess prescription assignments in list of choices
Learner Daily Usage by Learner	Time on Task and in System for learner	Filter to location or class, select one or more learners in a class, date range	Includes Accucess prescription assignments
Learner Daily Progress by Class and Assignment	learner progress, status and scores on assignments	One or more classes, one or more assignments; no date parameters	Includes Accucess prescription assignments
Learner Daily Progress by Learner	learner progress, status and scores on assignments	Filter to location or class, select one learner, one or more assignments; no date parameters	Includes Accucess prescription assignments

**Assessment Reports
Platform 2.0**

Accucess Results Report by Learner	Shows ALL Individual Learner's Accucess scores for all subjects.	One learner	YES
Accucess Results Report by Location	Shows All Accucess Assessment Results for a given location	One location	YES

**Assessment Reports
Platform 3.5**

Accucess Results Report	Shows ALL individual Curriculum scores on one or more subject tests.	One or more learners	Option to include Prescription data; may be generated by pdf or .csv
Learner Progress by Learner and Assignment	Learner progress, status and scores on assignments	One or more learner and one or multiple assignments	Includes Accucess prescription assignments
Learner Daily Usage by Learner and Assignment	Time on Task and in System for learner	One or more learner and one or multiple assignments; date range	Includes Accucess prescription assignments

