

map GROWTH SCIENCE

MAP® Growth™ Science provides valuable data for teachers on students' science knowledge and supports learners as they work toward STEM- or STEAM-focused coursework or careers.

Measure science learning with confidence

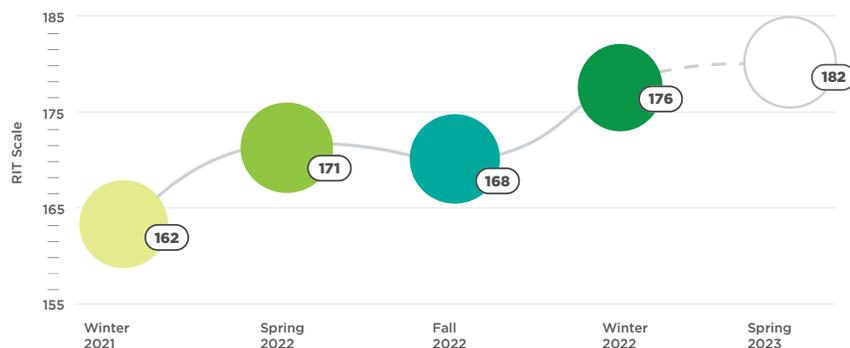
By adapting to each student's performance, all MAP Growth science tests offer a personalized assessment experience. Test questions get harder or easier based on whether the student gets the previous question correct, allowing MAP Growth to assess student understanding above and below grade level.

See growth over time

MAP Growth Science reveals how much academic growth has occurred between testing events. When combined with MAP Growth Norms—a percentile that helps educators determine how a student's growth compares to similar students—educators can track growth through the school year and over multiple years.

Answer important questions like:

- Is each student growing academically?
- How does a student's achievement and growth compare to students across the nation?



Get actionable insights with MAP Growth reports

Easy-to-use reports help you quickly access essential insights about student understanding and unfinished learning. Reports provide overall RIT scores as well as instructional area scores that give immediate insight into students' instructional levels as they progress toward end-of-year state summative tests. With MAP Growth reporting, you can:

- Measure achievement and growth over time
- Use exclusive norms to compare student achievement and growth over time to comparable students across the United States
- Evaluate science-related programs and interventions
- Identify professional development needs
- Inform instructional planning using valid, reliable, and actionable data

ADD SCIENCE TO YOUR MAP GROWTH LICENSE

MAP Growth Science assessments can be added onto your MAP Growth K-12 license. Contact your NWEA account representative to find out how.

GRADE LEVELS

2-12

LANGUAGES

English

FREQUENCY



Fall Winter Spring Summer*

*Optional

AREAS COVERED

Grades 2-12:

- Life sciences
- Earth and space sciences
- Physical sciences

Grades 9-12:

- Life science (biology)

GRADE-LEVEL INDEPENDENCE

Measures achievement of every student, whether on, above, or below grade level—even if standards change.

TEST TIME

MAP Growth:

- 45-55 minutes

Screening assessment:

- ~30 minutes

*All assessments are untimed

NUMBER OF TEST ITEMS

Map Growth: 43

Screening assessment: 20

STANDARDS ALIGNMENT

State standards

Next Generation Science Standards (2013)

Make data-driven decisions

Inform resource allocation: Administrators use MAP Growth assessment data to determine program and resource needs, as well as to help figure out where scarce resources should be allocated in order to help the most students.

Identify students in need: Instructional support staff use precise assessment data from MAP Growth to help identify students who may need intensified support or who could benefit from additional assessment.

Focus instructional planning: Teachers use MAP Growth data to identify common opportunity areas for students and to inform adjustments to instructional plans at the term and unit level.

Three interim assessments to support science learners:

(1) MAP Growth Science - aligned to state science standards

MAP Growth Science assesses student understanding of specific science concepts and skills in three major science domains, all with embedded engineering design:

- Life sciences
- Earth and space sciences
- Physical sciences

The test pools are composed of items aligned to state standards. The overall score and instructional area scores for each domain provide insights into a student's instructional level. MAP Growth Science tests provide relevant results and help students prepare for end-of-year, state-mandated assessments.

MAP Growth Science is available for students in grades 2–12 and includes three test types (2–5, 6–8, 9–12).

(2) MAP Growth Science for use with Next Generation Science Standards (NGSS) (2013) - for states, districts, or schools that have adopted or modified NGSS

MAP Growth Science for use with NGSS measures multidimensional science learning and is appropriate for states that have adopted NGSS or similar standards based on the Framework for K-12 Science Education. The tests measure growth in student understanding using items that assess various combinations of science and engineering practices, crosscutting concepts, and disciplinary core ideas.

The tests organize the NGSS performance expectations into three disciplinary instructional areas, all with embedded engineering design:

- Life sciences
- Earth and space sciences
- Physical sciences

MAP Growth Science for use with NGSS is available for students in grades 2–12 and includes three test types (2–5, 6–8, 9–12).

(3) MAP Growth Life Sciences for use with NGSS

For those who have adopted NGSS or similar standards, we offer MAP Growth Life Sciences, a course-specific assessment for students in grades 9–12 taking biology classes.

RELIABLE TECHNOLOGY

Our online assessment platform is compatible with most popular operating systems, browsers, and devices—including iPads® and Chromebooks®. Because the assessment platform is stable, scalable, and reliable, schools can test on a schedule that meets their needs.

ACCESSIBILITY & UNIVERSAL FEATURES

Magnification, screen reader (JAWS) compatible (grades 2–12)

Refreshable braille (grades 2–12)

Keyboard navigation

Color contrast adjustment

Universal Design for Learning (UDL)

Text-to-speech (grades 2–12)

WCAG (grades 2–12)

Alternative text descriptions for images (grades 2–12)

DRIVE GROWTH WITH A STRONG ACTIVATION PLAN

Designed to replicate best practices from our most successful partner schools and districts, our recommended MAP Growth activation plan helps educators tackle common instructional challenges.

This activation plan includes a comprehensive guided implementation process, professional learning experiences that hone assessment literacy and instructional planning, and data conversations with assessment experts that provide educators with an expert review of district-level data and suggested next steps.



ABOUT NWEA

NWEA® is a not-for-profit organization that supports students and educators worldwide by providing assessment solutions, insightful reports, professional learning offerings, and research services. Visit [NWEA.org](https://www.nwea.org) to find out how NWEA can partner with you to help all kids learn.

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