



HMH Growth Measure[®] FAQ

Table of Contents

HMH Growth Measure General Information	1
HMH Growth Measure Data Information.....	3
HMH Growth Measure Reports and their Features.....	5
HMH Growth Measure and its Connection to Other Products.....	6

HMH Growth Measure General Information

1. What is HMH Growth Measure?

HMH Growth Measure (GM) is a research-based and adaptive benchmark assessment for Math and ELA. It uses assessment performance to connect to HMH's curriculum and instruction resources including *Into Math*[®], *Into AGA*[®], *Into Reading*[®], *Into Literature*[®], *Read 180*[®], *Math 180*[®], *English 3D*[®], and *Waggle*[®]. *Growth Measure* delivers valid and reliable achievement scores including an HMH Scaled Score, performance categories (overall and by domains covered), Student Proficiency Indicator, Grade Level Equivalence, and a Lexile[®] (reading) or Quantile[®] (math) Interval.

2. Which grade levels does HMH Growth Measure cover?

Math: K-8, Algebra 1, Geometry 1, and Algebra 2.
Reading (ELA): 2-11. 12th graders take the 11th grade test.

3. HMH Growth Measure is an adaptive test. What is that?

The *HMH Growth Measure* is a computer-adaptive test (CAT). The test adjusts item difficulty to students' responses. As a student

progresses through the assessment, the difficulty levels of questions and text complexity change according to a student's performance. For example, if a student correctly answers a group of questions, the difficulty of future questions increases; if a student answers a group of questions incorrectly, the difficulty of future questions decreases. Students can skip up to three questions on the test, except in the Reading *Growth Measures* passage section. The assessment ends once the student has answered up to 35 questions.

a) Does the beginning of a student's 2nd Growth Measure test start with different questions based off a student's 1st Growth Measure score?

Growth Measure references the student's performance on the previous test to determine whether a student will begin on a standard or intervention assessment path. Most students begin on the standard path, which presents on-level questions that adapt based upon the student's responses. Students who struggled with the previous test will begin on the intervention assessment path which begins with easier questions that progress to on and above-level based upon the student's responses.

4. How is the Growth Measure structured?

The Growth Measure Reading and Math assessments stage-level, adaptive assessments. Each stage includes 5 items of similar difficulty/DOK. Based on how students perform in a stage (or group of items), the test will adjust the difficulty of the next set of questions. Students can skip up to 3 questions. When a question is skipped, a different question of similar domain coverage/difficulty would display. GM Reading includes a passage section that presents a single passage coupled with a set of 6 questions that cannot be skipped.

5. How does the HMH *Growth Measure* connect to HMH solutions?

Together, data from the HMH Growth Measure assessments and in-program assessments provide a more complete view of a student's academic growth and performance. Growth Measure items are aligned to common standard sets including Florida's BEST Standards, Texas Essential Knowledge and Skills (TEKS), Virginia's Standards of Learning (SOL), and the Common Core State Standards (CCSS) Standards and allow educators to connect back to the instructional materials in each of the HMH programs. The HMH Growth Measure domain information which helps educators refine their grouping and instructional planning from the HMH Growth Measure results at a more detailed level than the overall score and performance levels.

6. When does a district use HMH Growth Measure?

It is recommended that a district use the HMH Growth Measure at the beginning of the year (Fall), in the middle of the year (Winter), and at the end of the year (Spring). The HMH Growth Measure is assigned by teachers like any other assessment or lesson on Ed and students access the test the same way they access any other assignment. Because the HMH Growth Measure is on Ed there are no additional technical requirements.

7. What are the test windows for the HMH Growth Measure, and can they be adjusted?

The HMH *Growth Measures* are designed to be administered three times a year. There are three test windows:

- Fall: July 1 - October 31
- Winter: November 1 - March 1
- Spring: March 2 - June 30

The test windows are pre-set, enabled by default, and can be adjusted by the district administrators. A teacher can go in and refine the assessment start and end date within the district administrator's defined test window dates. If an administrator would like to adjust the test window, it is recommended that each test window maintain a 4-month span so that sufficient learning can occur between administrations.

8. What accessibility and accommodation features are available for HMH Growth Measure?

HMH Growth Measure is mostly compliant against the WCAG 2.1 AA. There are a few outstanding resolution requirements that are scheduled to be completed by 2022 which will complete the WCAG 2.1 AA compliance.

While there are no specific accommodation features or tools currently embedded in Growth Measure, the assessment has been tested and vetted to be used with some of the most common screen readers including NVDA, JAWS, and ChromeVox.

9. What's coming for Growth Measure in the future?

In 2023, HMH will be introducing a set of foundational reading assessments in the Growth Measure Reading family. HMH will also be expanding Spanish-language support, starting with building out a Spanish-language adaptive version of the Reading Growth Measure.

HMH Growth Measure Data Information

10. What are the table of cut scores for each grade band?

The HMH Growth Measure Scale is from G01 to G99 and the performance bands are organized into five categories: Far Below Level, Below, Approaching, On Level, and Above Level

The "G" represents the grade-level of the student (e.g., 532 would be a 5th grader categorized as Below Level). Grade K and Grade 1 are for the HMH Growth Measure Math only. Note: Grade 12 students are administered the Grade 11 test and will receive a score between 1101 and 1199.

Grade	Far Below Level	Below	Approaching	On Level	Above Level
K (Math)	--	--	01 - 60	61 – 80	81 - 99
1 (Math)	--	101 - 145	150 - 174	61 – 80	181 - 199
2	201 - 220	221 - 245	246 - 260	261 – 280	281 - 299
3	301 - 320	321 - 345	346 - 360	361 – 380	381 - 399
4	401 - 420	421 - 445	446 - 460	461 – 480	481 - 499
5	501 - 520	521 - 545	546 - 560	561 – 580	581 - 599
6	601 - 620	621 - 645	646 - 660	661 – 680	681 - 699
7	701 - 720	721 - 745	746 - 760	761 – 780	781 - 799
8	801 - 820	821 - 845	846 - 860	861 – 880	881 - 899
9 (ELA)	901 - 920	921 - 945	946 - 960	961 – 980	981 - 999
Algebra 1	ALG1-01 – ALG1-20	ALG1-21 – ALG1-45	ALG1-46 – ALG1-60	ALG1-61 – ALG1-80	ALG1-81 – ALG1-99
10 (ELA)	1001 - 1020	1021 - 1045	1046 - 1060	1061 – 1080	1081 - 1099
Geometry1	GEO1-01 – GEO1-20	GEO1-21 – GEO1-45	GEO1-46 – GEO1-60	GEO1-61 – GEO1-80	GEO1-81 – GEO1-99
11, 12 (ELA)	1101 – 1120	1121 – 1145	1146 – 1160	1161 - 1180	1181 - 1199
Algebra 2	ALG2-01 – ALG2-20	ALG2-21 – ALG2-45	ALG2-46 – ALG2-60	ALG2-61 – ALG2-80	ALG2-81 – ALG2-99

11. What are the skills related to each grade band?

Each grade-level test covers a specific set of domains (topics).

For Reading and Literature, the two domain scores will be for Reading Comprehension and Language. These two domains apply to Grade 2 through High School (K-1 is covered by *Amira*, see that program’s information for more details).

For Math, the domains vary by test level:

Grade K-8 Math Domains	Domain #	Grade-Level
Numbers	1	K-8
Operations & Algebra	2	K-8
Fractions, Ratios, & Proportions	3	3-7
Geometry	4	K-8
Measurement, Data & Probability	5	K-8
Functions	6	8
High School Math Domains	Domain #	Grade-Level
Numbers	1	Alg 2
Operations & Algebra	2	Alg 1, Alg 2
Functions	6	Alg 1, Alg 2
Measurement, Data & Probability	5	Alg 1, Geo 1, Alg 2
Geometry	4	Geo 1

12. Are the Math and ELA reporting domains the same as Common Core State Standard (CCSS) domains?

Not in all cases. There are 11 domains (strands) within the CCSS. The HMH Growth Measure has six domains which overlap with these 11 strands. All content on the HMH Growth Measure *Math* assessment is aligned to the CCSS. The HMH Growth Measure *Reading* has standards aligned to CCSS GM reports only on the top-level domains of Reading Comprehension and Language and not the CCSS ELA subdomains.

13. Does the HMH Growth Measure connect to state assessment readiness?

The HMH Growth Measure will be able to forecast state summative performance as necessary data from the states become available and linking studies are completed.

HMH Growth Measure: Reports and their Features

14. What reports come with the HMH Growth Measure?

The HMH Growth Measure data is reported through the multiple reports on Ed. The reports that are currently available are below.

- **Growth Report:** Teacher, Student, and Admin

- **Standards Report:** Teacher, Admin
- **Assessment Report:** Teacher (Teacher version viewable by Admins)
- **Program Activity Report:** Teacher (Teacher version viewable by Admins)
- **District Data Export:** Admin
 - **Growth Measure**
 - **Usage Report for Assignments**
 - **Usage Report for Logins**

15. What do the different metrics on the HMH Growth Measure mean?

To learn about the HMH Growth Measure metrics, such as the Scaled Score, Student Proficiency Indicator (SPI), and Grade Level Equivalence (GLE), please view the [Growth Measure and Ed Reports and Scores Guide](#).

16. Why are Lexile® and Quantile® provided as an interval instead of an exact Lexile or Quantile?

The HMH Growth Measure assessment will include a Lexile and Quantile Interval, rather than an exact Lexile or Quantile. The purpose of providing an Interval opposed to an exact Lexile or Quantile is to account for measurement error inherent in all scores. The Interval reflects where the student's true Quantile or Lexile is likely to fall.

17. Should the Quantile® Interval or Lexile® Interval move higher from one administration to another?

The Quantile Interval/Lexile Interval is 150 points so it is possible that students will increase their Scaled Score and show growth in the SGI but will still stay in the same Quantile Interval/Lexile Interval. A Quantile/Lexile is a student's proximal zone of development so there isn't really a "should increase by x amount" associated with it.

HMH Growth Measure and its Connection to Other Products

18. How does HMH Growth Measure connect with Into Math®, Into AGA®, Math in Focus®, Into Reading®, Into Literature®, Read 180®, Math 180®, English 3D®, and Waggle®?

Teacher insights from the HMH Growth Measure enable teachers to make informed instructional decisions (individual, group, and whole class). The HMH Growth Measure insights will provide content recommendations for lessons, resources, and assignments.