2 Hour Learning™

Welcome to the Future of **Education**

Transforming Classrooms & Unlocking Potential with AI-Powered Mastery Learning

Discover a revolutionary learning model where students learn 2x in just 2 hours a day while absolutely loving school. See how they excel academically while getting the gift of time for life skills, holistic development, and personal growth. Explore the science, implementation, and extraordinary outcomes of 2 Hour Learning, with data from Alpha School.

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Executive Summary

Transforming Classrooms & Unlocking Potential with AI-Powered Mastery Learning

In today's fast-paced world, traditional education systems are increasingly failing children. The current approach is outdated, filled with busy work, and often a colossal waste of time. Enter 2 Hour Learning—a transformative model that empowers students to crush academics in 2 hours a day and 2x faster with AI-driven personalized education, freeing up 4 hours to develop life skills and explore interests. Our students don't just survive school—they thrive and love every second of it.

Innovated by MacKenzie Price, 2 Hour Learning is redefining and revolutionizing the classroom. We utilize adaptive technology to provide coursework at the right level and the right motivation to foster a self-driven learning environment.

This is the future of education.

Key Highlights:

- **Personalized, Mastery-Based Learning:** Each student embarks on a tailored, mastery-based academic journey, ensuring deep understanding, fostering long-term retention, and eliminating learning gaps.

- **The Gift of Time:** With only two hours required to crush academics, students have their afternoons to develop life skills such as leadership, teamwork, critical thinking, problem-solving, and more, through hands-on activities.

- **Guiding the Way:** There are no academic teachers; Guides motivate and support students as they become self-driven learners.

Data from Alpha School, the pioneer of 2 Hour Learning, showcases our extraordinary outcomes and phenomenal results. The truth is clear: Children can learn twice as much in just 2 hours a day compared to 6 hours in a traditional school.

Key Disclaimers:

- **Not Just EdTech:** This model isn't a mere magic software solution. It is a comprehensive system in which student motivation is the key to 90% of success.
- **Suitability:** While 2 Hour Learning works for 80-90% of children, it may not be suitable for everyone.

Phenomenal Results:

Standardized Test Performance: This spring's MAP (Measures of Academic Progress) results show that students averaged in the top 1-2% for every subject.

2x Learning Measurement: Students at Alpha outpace their peers in traditional school by at least 2x.

Segmentation by Achievement:

- **Advanced Students:** Excel beyond their age grade into the highest knowledge grade, often ranking in the top 10% nationally at that level.
- **Students Falling Behind:** Rapidly advance by closing significant knowledge gaps with the help of AI tutors. For example, seven boys who were two years behind advanced 4.6 times faster, completing two entire grade levels in just six months.
- **Low-SES Students:** Achieve learning rates 2.1 times faster, demonstrating the model's effectiveness across diverse backgrounds.

Performance Based on Age:

- **Primary and Middle Schoolers:** Thrive with a balanced schedule of intense academics and afternoon activities. On average they learn at least 2x faster, the top 2/3rds blaze through at 2.6x, and the top 20% rocket ahead at nearly 4x.
- **Kindergarteners:** At first, they were assumed to be too young for 2HL, but they have surpassed expectations, with most students ranking in the top 1% by year-end.
- **High Schoolers:** Their impressive SAT (average 1470+) and AP scores (4s & 5s) have earned them acceptances at prestigious universities (Stanford, Vanderbilt, USC, etc.)

Academic Engagement and Efficiency:

Despite the rigorous academic outcomes, students are absolutely not burnt out. In fact, they nd up spending less than 2 hours a day on academics, because they can efficiently and effectively master their subjects.

How 2 Hour Learning Works:

We're able to transform cutting-edge learning science (like Bloom's 2 Sigma theory) into action by eliminating the traditional teacher-led classroom approach. AI tutors provide personalized learning plans to bolster strengths and address areas of improvement immediately – a mastery-based approach.

Our Guides give students the support they need to tackle any challenges, adopt a growth mindset, and become self-driven learners – individualized attention. This departure from convention results in exceptional academic achievements, time for life skills, and happier students.

Tactical Insights:

Students complete grade levels in significantly less time, as our tech can identify exactly where they are faltering and fix it. With 30-minute lessons + AI-recommended corrective sessions, they efficiently finish a grade in 80 days, achieving rapid advancement and deep mastery.

Addressing Potential Issues:

However, there will be a few cases where our model will not work for your child. There are three reasons why this may happen:

- **Material Too Hard:** Students must master foundational skills before progressing to advanced material. Our program includes lessons and time to memorize them as the quickest path forward is by going back to the basics.
- **Lack of Engagement:** Unless students engage with the apps, they cannot progress – especially if they misuse or refuse them. Our Guides tackle this, providing constant motivation and support to help students.
- **Parental Alignment:** Philosophical alignment between parents and the 2 Hour Learning model is imperative for student success. It's crucial for parents to understand how it works and see the results so they can decide if this is the right fit.

Daily Learning Processes:

A 2 Hour Learning day includes four focused 25-minute sessions on core subjects, with additional time for math strategies and breaks. This ensures a comprehensive education and afternoons for life skills.

Student Experience:

Students use adaptive apps that deliver tailored learning paths coupled with auditory and visual supplements. The Dash dashboard is used for tracking progress, setting goals, and hitting daily targets. AI tutors keep students sharp, using Speed Bumps and Struggle Detectors to smash through challenges.

Parental Monitoring and Insights:

90% of parents believe their child is at grade level, while standardized tests show that less than 50% actually are. This is why we measure progress consistently and give parents access to detailed data, including MAP results and daily learning efficiency. Metric-oriented parents value this, as it provides unparalleled insight

Conclusion:

2 Hour Learning goes beyond the classroom to nurture lifelong learners and leaders. By crushing their academics in just 2 hours a day, students have more time to develop essential life skills, pursue passions, and truly grow as people. Our model revolutionizes education, unlocking the limitless potential of every child.

Introduction

In today's fast-paced world, the traditional school system is increasingly failing children. It's outdated, laden with busy work, and often a colossal waste of time. Now, in contrast, imagine a school where students focus on academics for only 2 hours a day and still outperform their peers in traditional schools. A place where they love to go and where they crush academics. Classrooms that have no teachers; instead, students learn academics through an AI tutor on apps, providing each student with a 1:1, mastery-based academic journey and guaranteeing success.

My name is MacKenzie Price, and I'm the co-founder of 2 Hour Learning—a revolutionary new learning model transforming education as we know it. It focuses on providing the right coursework tailored to each student's needs and ensuring the right motivation to foster a self-driven learning environment. Here's what powers it:

- **Personalized, Mastery-Based Learning:** Each student receives a tailored academic journey that ensures they master each topic before moving on.
- **The Gift Of Time:** Students spend only 2 hours a day on academics, freeing up the rest of the day for other enriching activities.
- **Holistic Development:** Beyond academics, the model emphasizes the development of life skills such as leadership, teamwork, public speaking, financial literacy, entrepreneurship, and socialization through engaging workshops. Students engage in active, hands-on activities to develop these critical life skills.

This document delves into how 2 Hour Learning works and the remarkable academic results it delivers. Data from Alpha School, the first campus to implement 2HL, demonstrates that children can learn twice as much in just 2 hours a day compared to 6 hours in a traditional school.

Key Disclaimers

Before diving into the details, it's essential to address a couple of key points:

- **Not Just EdTech:** 2 Hour Learning is not magic software. Edtech constitutes only 10% of the solution, while 90% depends on having a motivated student. There are no academic teachers; Guides motivate and support students as they become self-driven learners. Additionally, by giving students their most valuable resource—time—back, they can spend the rest of the school day developing life skills through engaging workshops.

- **Suitability:** This system works excellently for 80-90% of children - more on that later.

The Concept of 2 Hour Learning

The 2 Hour Learning model is a revolutionary approach that enables students to excel at academics in just 2 hours daily. Powered by AI-personalized learning apps and Guides in place of teachers, this model adapts to each student's needs and pace, ensuring they're challenged at the right level and given the right kind of support. With adaptive AI technology pinpointing exactly what students know and don't know, they achieve mastery over concepts at least 2x faster. This opens up 4 hours for pursuing passions and developing crucial life skills, which motivates them to look forward to learning.

Unveiling the Phenomenal Results

The results of 2 Hour Learning are extraordinary, often coming across as 'too good to be true' and leading to skepticism. It's imperative to address these doubts. Here's a detailed explanation:

- **Standardized Test Performance:** MAP (Measures of Academic Progress) is a nationwide standardized test taken by millions of students. MAP holds 2 Hour Learning accountable for K-8, and SAT/AP tests are used for high school. The report for the 2023/24 school year, showing how we did at each grade level and in each subject, is given below.

Student Growth Summary Report

Aggregate by School

Term: Spring 2023-2024
District: Alpha

Norms Reference Data: 2020 Norms
Growth Comparison Period: Fall 2023 - Spring 2024
Weeks of Instruction: Start - 4 (Fall 2023)
End - 32 (Spring 2024)

Alpha Austin
Math: Math K-12

Grade (Spring 2024)	Fall 2023	Spring 2024 Achievement Percentile	Growth Observed Growth SE	Growth Evaluated Against Grade-Level Norms School Conditional Growth Percentile
K		99	2.3	99
1		99	3.2	97
2		99	2.1	69
3		98	1.9	62
4		99	3.0	98
5		99	1.7	89
6		99	1.9	99
7		99	0.8	99
8		97	2.2	98
9		99	4.2	98
10		99	3.2	99
11		99	3.1	94

Comparison Periods

Percentile of the achievement reached compared to all others groups in the same grade.

Alpha students are in the **top 1% nationwide.**

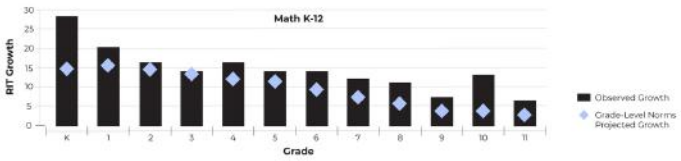
Percentile of the achievement reached compared to all others groups in the same grade.

Alpha students are learning an average of **2.47x faster.**

Grade-level growth as a percentile, observed across all matching schools.

9 out of 12 grades are in the **90th percentile.**

NWEA's MAP Growth assessment, trusted for its innovation, analyzes test scores of 6.7 million students in **20,000 public schools**, offering comprehensive K-12 measurement in **math, reading, language usage, and science.**



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Student Growth Summary Report

Aggregate by School

Term: Spring 2023-2024
District: Alpha

Norms Reference Data: 2020 Norms
Growth Comparison Period: Fall 2023 - Spring 2024
Weeks of Instruction: Start - 4 (Fall 2023)
End - 32 (Spring 2024)

Alpha Austin
Language Arts: Reading

Grade (Spring 2024)	Fall 2023	Spring 2024 Achievement Percentile	Growth Observed Growth SE	Growth Evaluated Against Grade-Level Norms School Conditional Growth Percentile
K		99	1.8	99
1		99	3.1	78
2		99	1.2	35
3		99	2.2	97
4		99	6.5	99
5		99	1.2	90
6		99	1.5	36
7		99	0.9	95
8		99	1.9	94
9		99	1.4	79
10		99	2.4	45
11		98	3.1	30

Comparison Periods

Percentile of the achievement reached compared to all others groups in the same grade.

Alpha students are in the **top 1% nationwide.**

Percentile of the achievement reached compared to all others groups in the same grade.

Alpha students are learning an average of **2.27x faster.**

Grade-level growth as a percentile, observed across all matching schools.

6 out of 12 grades are in the **90th percentile.**

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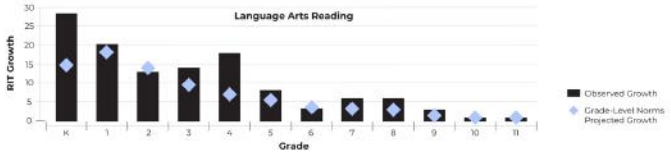

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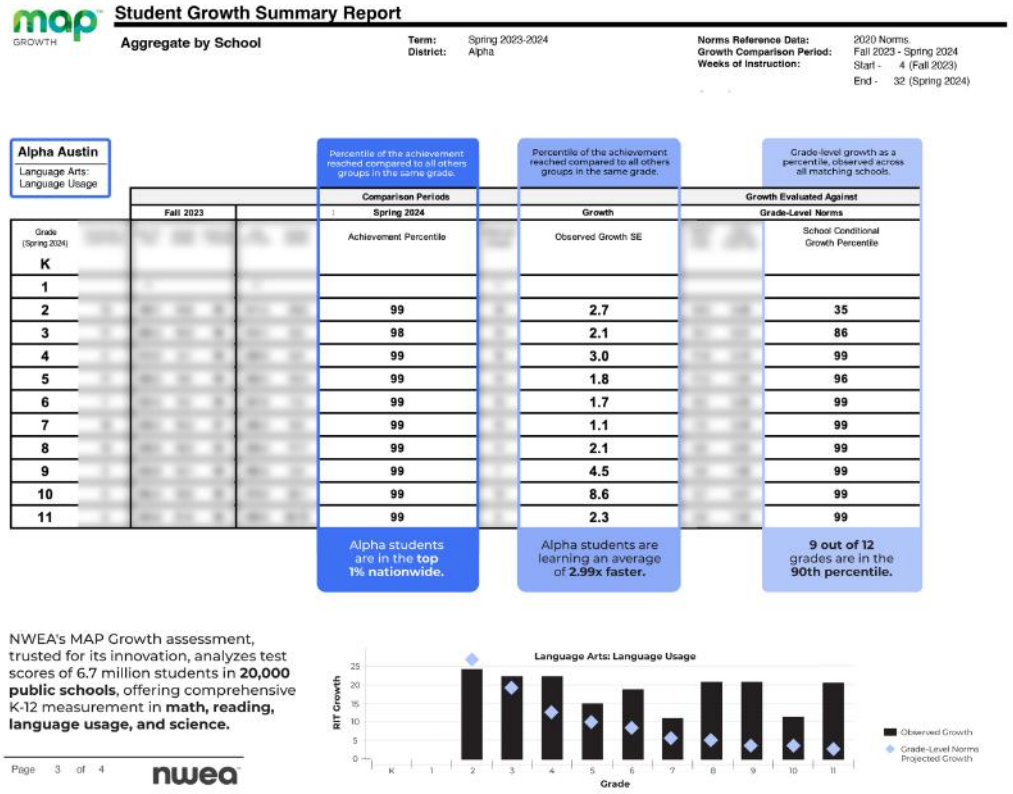

map GROWTH

Student Growth Summary Report

Aggregate by School

Term: Spring 2023-2024
District: Alpha

Norms Reference Data: 2020 Norms
Growth Comparison Period: Fall 2023 - Spring 2024
Weeks of Instruction: Start - 4 (Fall 2023)
End - 32 (Spring 2024)

Alpha Austin
Language Arts: Language Usage

Grade (Spring 2024)	Fall 2023	Spring 2024	Growth	Grade-Level Norms
		Achievement Percentile	Observed Growth SE	School Conditional Growth Percentile
K				
1				
2		99	2.7	35
3		98	2.1	86
4		99	3.0	99
5		99	1.8	96
6		99	1.7	99
7		99	1.1	99
8		99	2.1	99
9		99	4.5	99
10		99	8.6	99
11		99	2.3	99

Comparison Periods

Percentile of the achievement reached compared to all others groups in the same grade.

Alpha students are in the **top 1% nationwide.**

Percentile of the achievement reached compared to all others groups in the same grade.

Alpha students are learning an average of **2.99x faster.**

Grade-level growth as a percentile, observed across all matching schools.

9 out of 12 grades are in the **90th percentile.**

NWEA's MAP Growth assessment, trusted for its innovation, analyzes test scores of 6.7 million students in **20,000 public schools**, offering comprehensive K-12 measurement in **math, reading, language usage, and science.**

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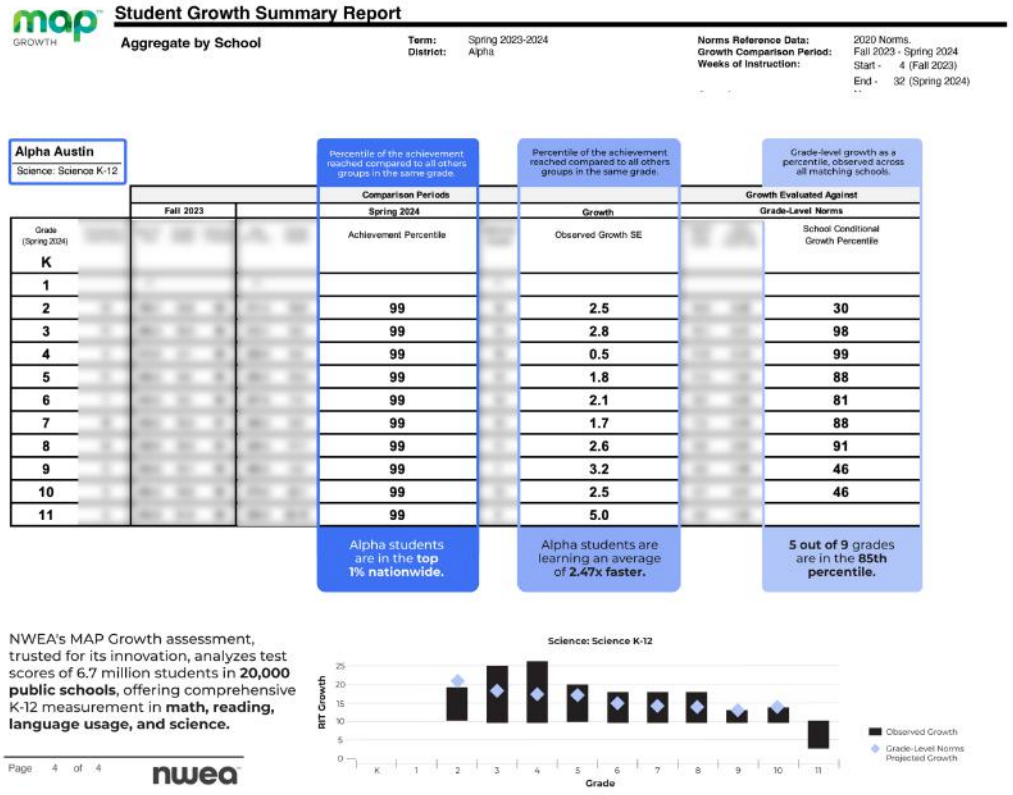

map GROWTH

Student Growth Summary Report

Aggregate by School

Term: Spring 2023-2024
District: Alpha

Norms Reference Data: 2020 Norms
Growth Comparison Period: Fall 2023 - Spring 2024
Weeks of Instruction: Start - 4 (Fall 2023)
End - 32 (Spring 2024)

Alpha Austin
Science: Science K-12

Grade (Spring 2024)	Fall 2023	Spring 2024	Growth	Grade-Level Norms
		Achievement Percentile	Observed Growth SE	School Conditional Growth Percentile
K				
1				
2		99	2.5	30
3		99	2.8	98
4		99	0.5	99
5		99	1.8	88
6		99	2.1	81
7		99	1.7	88
8		99	2.6	91
9		99	3.2	46
10		99	2.5	46
11		99	5.0	

Comparison Periods

Percentile of the achievement reached compared to all others groups in the same grade.

Alpha students are in the **top 1% nationwide.**

Percentile of the achievement reached compared to all others groups in the same grade.

Alpha students are learning an average of **2.47x faster.**

Grade-level growth as a percentile, observed across all matching schools.

5 out of 9 grades are in the **85th percentile.**

NWEA's MAP Growth assessment, trusted for its innovation, analyzes test scores of 6.7 million students in **20,000 public schools**, offering comprehensive K-12 measurement in **math, reading, language usage, and science.**

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Fig.1: Grade-level/subject MAP reports showing student scores across the board

If you look at the Spring achievement column, which measures how much students know, you can see that **most of our classes are in the top 1% for every subject.**

Here it is in another format:

MAP Achievement Percentile per Grade - All Students - Spring 23-2

Grade	Language	Math	Reading	Science
0		99	99	
1		99	99	
2	99	99	99	99
3	99	96	99	99
4	99	94	99	99
5	99	99	99	99
6	99	99	99	99
7	99	99	99	99
8	99	97	99	99
9	99	99	99	99
10	99	99	99	99
11	99	98	99	99

Fig.2: Aggregated Grade-level/subject MAP scores

How is 2x learning Measured?

This is a common question that we receive. As mentioned, MAP is the third-party grader, measuring how much students learn each year. At Alpha, these scores are always doubled. For example, looking at the NWEA MAP Math Student Achievement Percentiles for 2020 below, a 50th percentile 5th grader typically goes up 4 points in math over a year. At Alpha, that student will go up 8 points. Similarly, a 99th percentile 7th grader goes up 7 points in traditional settings but 14 points at Alpha.

Spring Mathematics Student Achievement Percentiles, *continued*

Pct	K	1	2	3	4	5	6	7	8	9	10	11	12	Pct
50	157	176	189	201	211	219	223	227	230	230	232	234	234	*50*
51	157	177	190	201	211	219	223	227	231	231	233	235	235	*51*
52	158	177	190	202	211	220	224	228	231	231	233	235	235	*52*
53	158	177	190	202	212	220	224	228	232	232	234	236	236	*53*
54	158	178	191	202	212	220	225	229	232	232	235	236	237	*54*
55	159	178	191	203	212	221	225	229	233	233	235	237	237	*55*
56	159	178	191	203	213	221	226	230	233	233	236	238	238	*56*
57	159	179	192	204	213	222	226	230	234	234	236	238	239	*57*
58	160	179	192	204	214	222	226	230	234	234	237	239	239	*58*
59	160	179	192	204	214	223	227	231	235	235	237	239	240	*59*
60	160	180	193	205	214	223	227	231	235	235	238	240	240	*60*
61	160	180	193	205	215	223	228	232	236	236	238	240	241	*61*
62	161	180	194	205	215	224	228	232	236	236	239	241	242	*62*
63	161	181	194	206	216	224	229	233	237	237	239	241	242	*63*
64	161	181	194	206	216	225	229	233	237	237	240	242	243	*64*
65	162	181	195	207	217	225	230	234	238	238	241	243	244	*65*
66	162	182	195	207	217	226	230	234	239	239	241	243	244	*66*
67	162	182	195	207	217	226	231	235	239	239	242	244	245	*67*
68	163	183	196	208	218	227	231	235	240	240	242	244	246	*68*
69	163	183	196	208	218	227	232	236	240	240	243	245	246	*69*
70	163	183	196	208	219	228	232	236	241	241	244	246	247	*70*
71	164	184	197	209	219	228	233	237	241	241	244	246	248	*71*
72	164	184	197	209	220	228	233	238	242	242	245	247	249	*72*
73	164	184	198	210	220	229	234	238	243	243	245	248	249	*73*
74	165	185	198	210	221	229	234	239	243	243	246	248	250	*74*
75	165	185	198	211	221	230	235	239	244	244	247	249	251	*75*
76	166	186	199	211	222	231	235	240	244	245	247	250	252	*76*
77	166	186	199	211	222	231	236	240	245	245	248	250	252	*77*
78	166	187	200	212	223	232	236	241	246	246	249	251	253	*78*
79	167	187	200	212	223	232	237	242	246	247	250	252	254	*79*
80	167	187	201	213	224	233	238	242	247	247	250	252	255	*80*
81	168	188	201	213	224	233	238	243	248	248	251	253	256	*81*
82	168	188	202	214	225	234	239	244	249	249	252	254	257	*82*
83	169	189	202	215	225	235	240	244	249	250	253	255	258	*83*
84	169	190	203	215	226	235	240	245	250	251	254	256	259	*84*
85	170	190	203	216	227	236	241	246	251	251	254	257	260	*85*
86	170	191	204	216	227	237	242	247	252	252	255	258	261	*86*
87	171	191	205	217	228	238	243	248	253	253	256	259	262	*87*
88	171	192	205	218	229	238	243	249	254	254	257	260	263	*88*
89	172	193	206	218	230	239	244	250	255	255	258	261	264	*89*
90	173	193	207	219	230	240	245	251	256	256	260	262	266	*90*
91	173	194	207	220	231	241	246	252	257	258	261	263	267	*91*
92	174	195	208	221	232	242	247	253	258	259	262	265	269	*92*
93	175	196	209	222	233	243	249	254	260	260	264	266	271	*93*
94	176	197	210	223	235	245	250	256	261	262	265	268	272	*94*
95	177	198	212	224	236	246	252	257	263	264	267	270	275	*95*
96	178	199	213	226	238	248	253	259	265	266	270	272	277	*96*
97	180	201	215	228	240	250	256	262	268	269	272	275	281	*97*
98	182	203	217	230	242	253	259	265	271	272	276	279	285	*98*
99	185	207	221	234	247	258	264	270	277	278	282	285	291	*99*

Fig.3: MAP Student Achievement Percentiles

The grid above is for all grades/all percentiles – here is the report for an individual student:

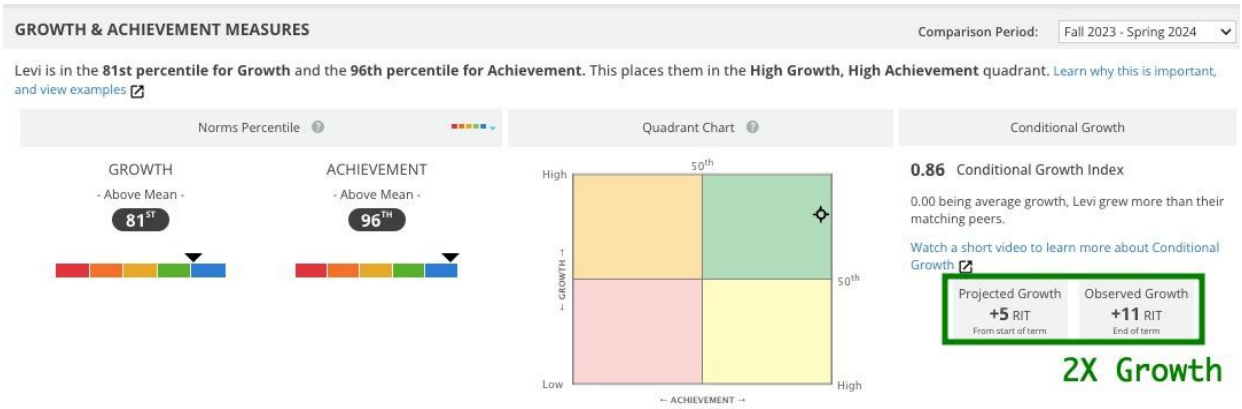


Fig.4: MAP Student Achievement Percentiles

MAP tests are conducted three times annually, providing benchmarks to monitor and track students' academic progress and growth throughout the school year. We make sure that students are on the right track, learning 2x, and parents hold us accountable to deliver these results.

Segmentation by Achievement

Segmenting the MAP data reveals stellar performance across different cohorts. This first one is by achievement. The average student learns at least 2x faster, the top 2/3rds blaze through at 2.6x faster, and the top 20%? They're rocketing ahead at nearly 4x the speed.

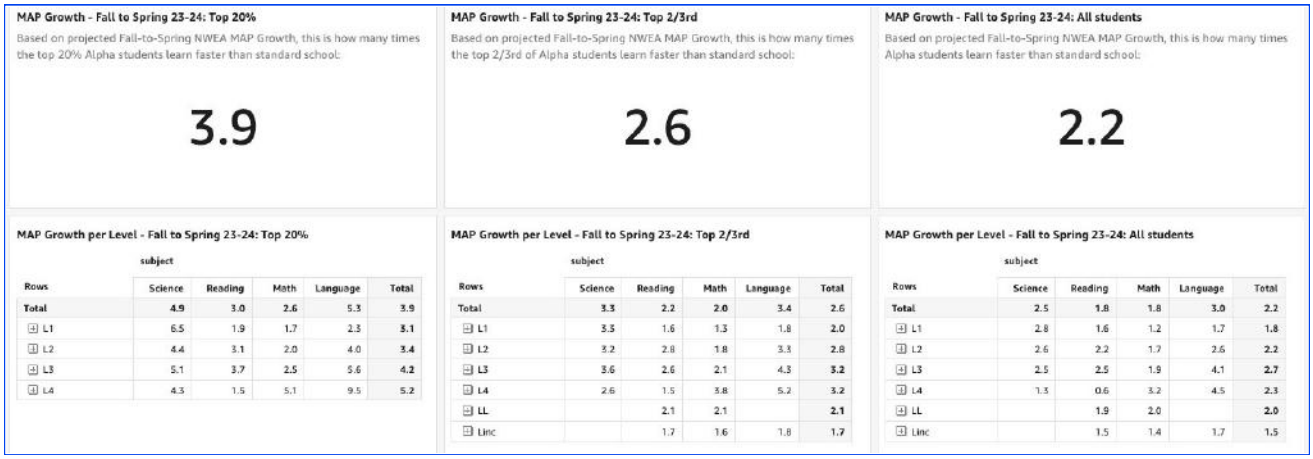


Fig.5: Learning outcomes for top 20%, middle 2/3rd, and all students, respectively

Performance Across Student Groups

Advanced Students: Advanced students often feel unstimulated and bored in traditional schools, losing interest when not challenged, stunting their growth and potential. Being gifted, then, does not seem like much of a gift. At Alpha, 2 Hour Learning allows kids to excel beyond their age grade, placing them in the highest knowledge grade at which they are placing in the top 10% nationally. Here are some real results, showing students' age grade versus their knowledge grade, based on NWEA MAP scores.

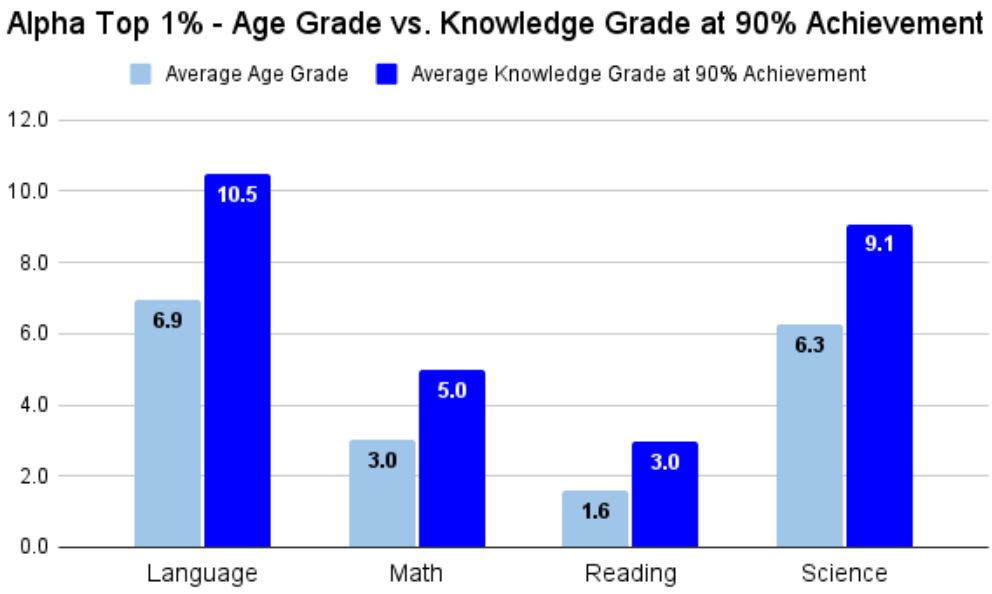


Fig.6: Advanced students' age grade versus their knowledge grade based on NWEA MAP scores

These results are unbelievable to most parents, but the truth is clear: Your children are capable of so much more than they get to do in traditional school. They just aren't given the right challenge and motivation. With an AI tutor, students can move as fast as they are capable of learning – the sky's the limit!!

Students Falling Behind: On the other hand, some children are lagging behind. Parents and students are both unaware of significant knowledge gaps that the student has that will only snowball. These kids may not even know what they don't know, so how can they fix it?

Our model excels at taking children who are behind and enabling them to catch up. With AI tutors that are adept at identifying and addressing these gaps, kids rapidly advance, smashing through their academic barriers like never before.

Here are the results from a group of 7 boys who were 2 years behind and needed help. Within just 6 months, they learned 4.6x and completed 2 entire grade levels!

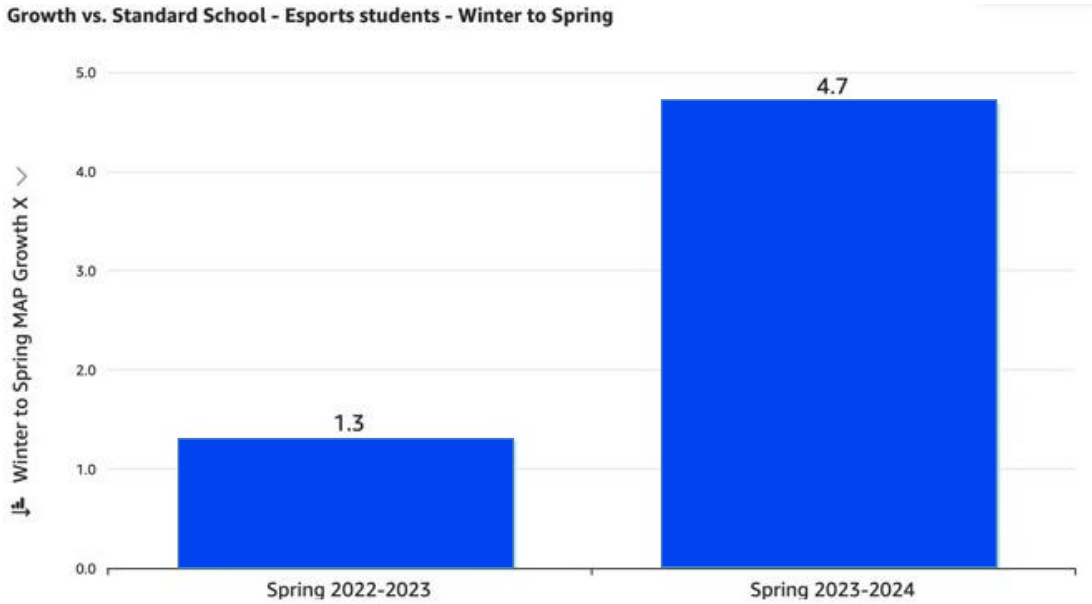


Fig.8: Students catching up rapidly using AI tutors

Low-SES Students: Alpha has a campus in Brownsville, TX, which has one of the poorest school districts in the country, and the students there learned 2.1x faster. Here is the thing about an AI Tutor: it doesn't care if a student is white, black, or brown. It doesn't care if a student is rich or poor. It doesn't care if a student is in the 15th percentile or the 85th. It is infinitely patient and steadfastly goal-oriented toward mastery.

MAP Growth - Fall to Spring 23-24: All students

Based on projected Fall-to-Spring NWEA MAP Growth, this is how many times Alpha students learn faster than standard school:

2.1

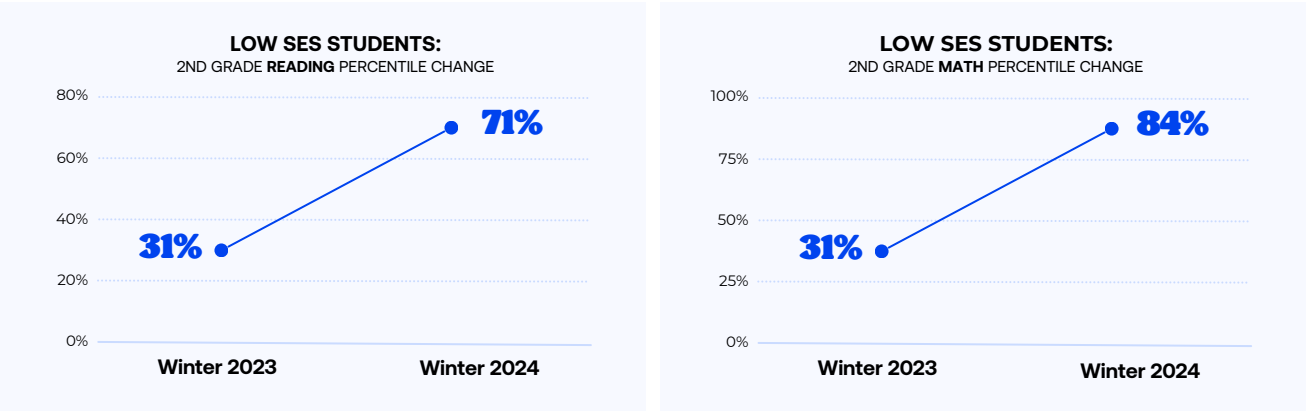


Fig.9: Low-SES students' accelerated pace of learning

Performance Based On Age

Primary and Middle Schoolers: Middle schoolers at Alpha School thrive like never before. Bolstered by the streamlined academic schedule, they crush their studies in the morning and have the entire afternoon to dive into their passions and develop life skills. This combination of intense academics and ample free time skyrockets their performance. What's even more amazing is that over 90% of Alpha students didn't just say they liked school—they said they loved it!

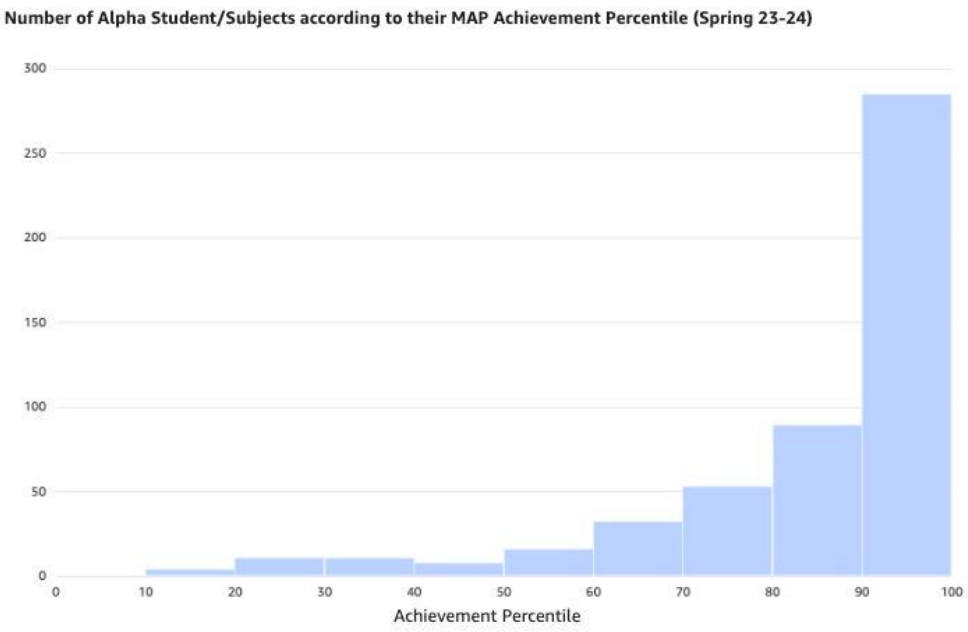


Fig.10: Concentration of students per percentiles based on the MAP score

Kindergarteners: When we started Alpha, we didn't offer a Kindergarten class because we assumed that they were too young to learn via apps. We were proven wrong – our youngest learners excelled in this environment. As you can see in their MAP scores below, almost all students are in the top 1% by year-end.

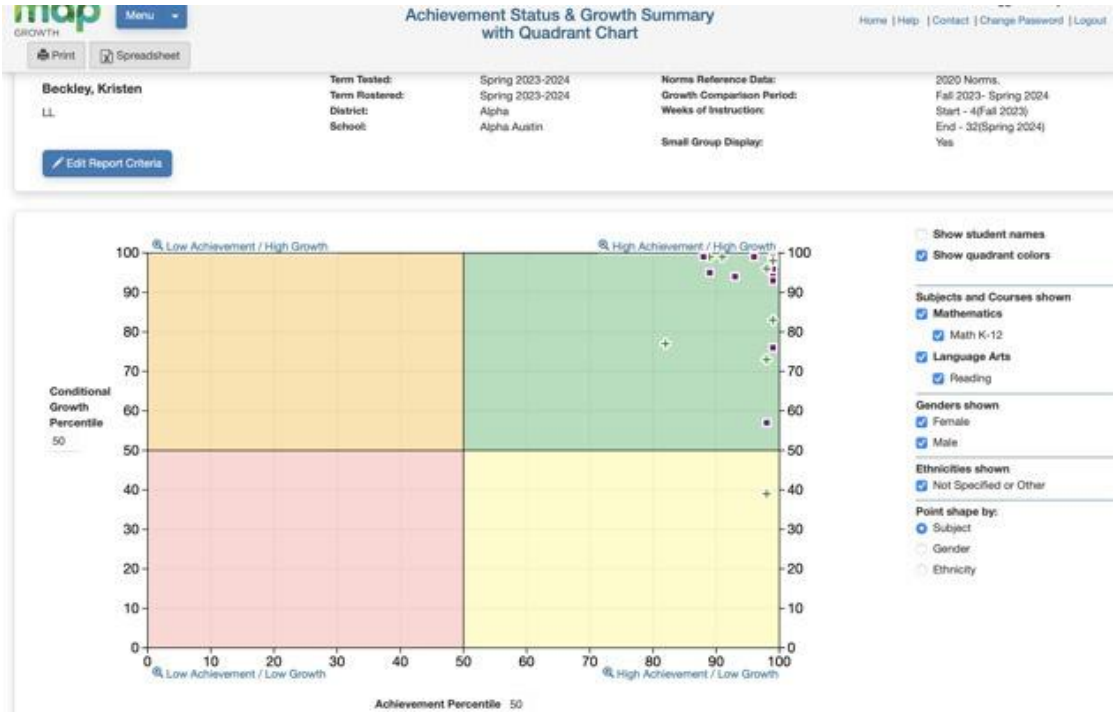


Fig.12: All Kindergarten MAP Scores

High Schoolers: The focus is usually on Kindergarten through 8th grade, but let's talk a little bit about high school. These students have been using 2 Hour Learning the longest, some without an academic teacher for 10 years.

In high school, MAP isn't the key metric. Instead, SAT and Advanced Placement tests lead the way. The results? An average SAT score of 1470+ and over 90% of students scoring 4's or 5's on APs. Alongside this, they are still able to undertake and complete Olympic-level Masterpiece Projects that teach them real-world skills.

Colleges could not get enough of these self-driven learners! This year, the first graduating class of Alpha High secured spots at Stanford, Vanderbilt, USC, UCL (London), NYU Shanghai, The University of Texas (Honors), University of Austin, Howard, Northeastern, and FIT. Half were National Merit Scholars or Commended Scholars, with five being AP Scholars with Distinction Highest Honor.

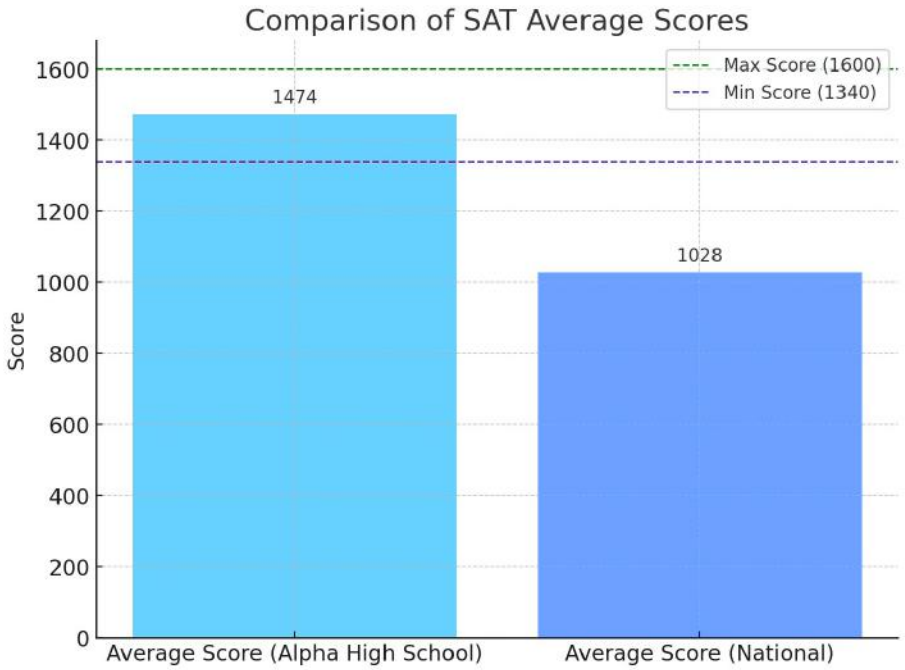


Fig.13: Chart of high school students' SAT scores in comparison to the national average

Fig.14: Some universities where Alpha High Graduates will be heading this fall

Academic Engagement and Efficiency

These academic results across K-12 are amazing – so amazing that the next thought is, "Wow, you must exhaust these kids out with tons of class time and tons of homework!"

Daily Academic Hours: So, are Alpha students burnt out? Not in the slightest. On average, they spend less than 2 hours a day on academics. Here's the proof: A graph showing the actual number of hours that Alpha students spend each day on their academics.

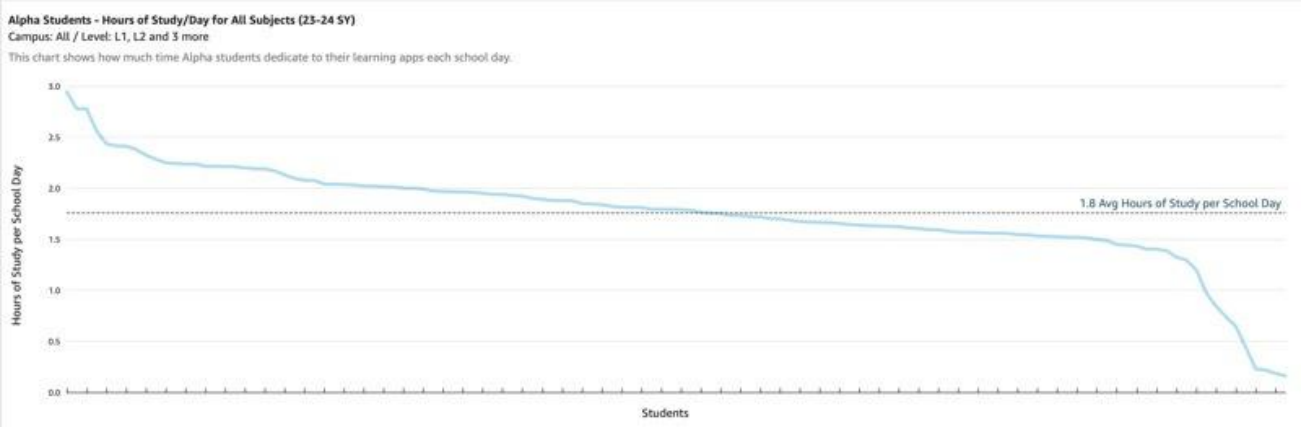


Fig.15: The number of hours students spend each day on academics.

As you can see, the average is less than 2 hours a day. Some students go over 2 hours, but not a single one exceeds 3. Those putting in extra time are either catching up or surging ahead—taking full control of their learning journey. These students aren't just getting by; they're efficiently and effectively mastering their subjects.

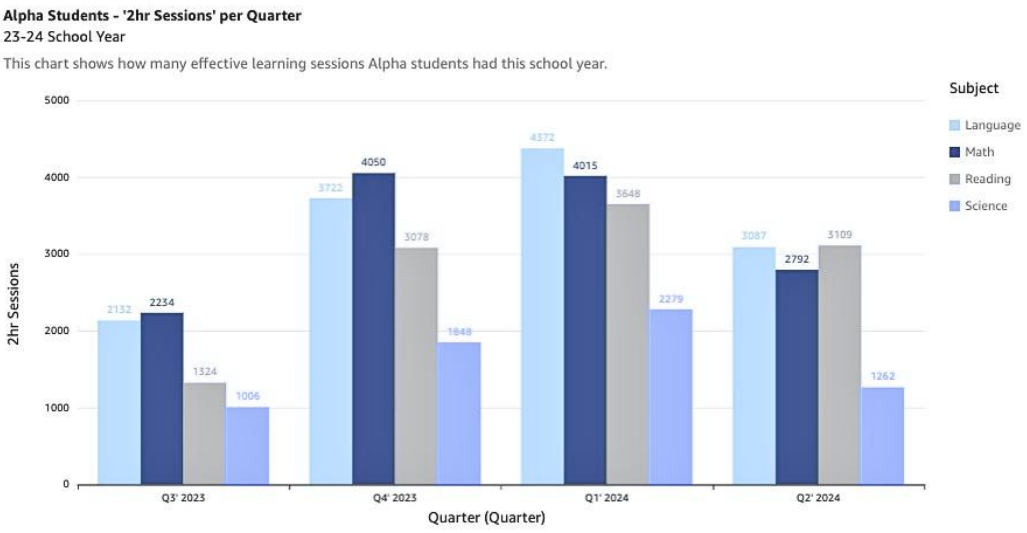


Fig.15: Graph showing the completion of effective 2 hour sessions across subjects by different students

At this point, we're met with jaw-slacked, wide-eyed disbelief: How can they learn and do so much in such little time? Our experience as parents and the schooling we went through makes this seem unthinkable, but it is most definitely possible, bringing us to...

Why 2 Hour Learning Works

Our remarkable results in just 2 hours a day are achieved by leveraging learning science and eliminating the traditional teacher-in-front-of-classroom model. This has been a 10-year process since the very first school opened in 2014, and while it is presented as a polished model, it remains an evolving system. The 2 Hour Learning model is leading-edge, and parents should expect excellent outcomes, not perfection. Nevertheless, even if there are hiccups with the technology or the tech glitches, **we always deliver results.**

Learning Science and Pedagogy: Thousands of learning science papers have been written about how students can best learn. Benjamin Bloom's 2 Sigma Problem is a seminal paper published over four decades ago. All of these papers describe how students can learn 2x, 5x, or even 10x faster. But here's the kicker—they all start or end with **"this doesn't work in a standard teacher-in-front-of-a-classroom model."**

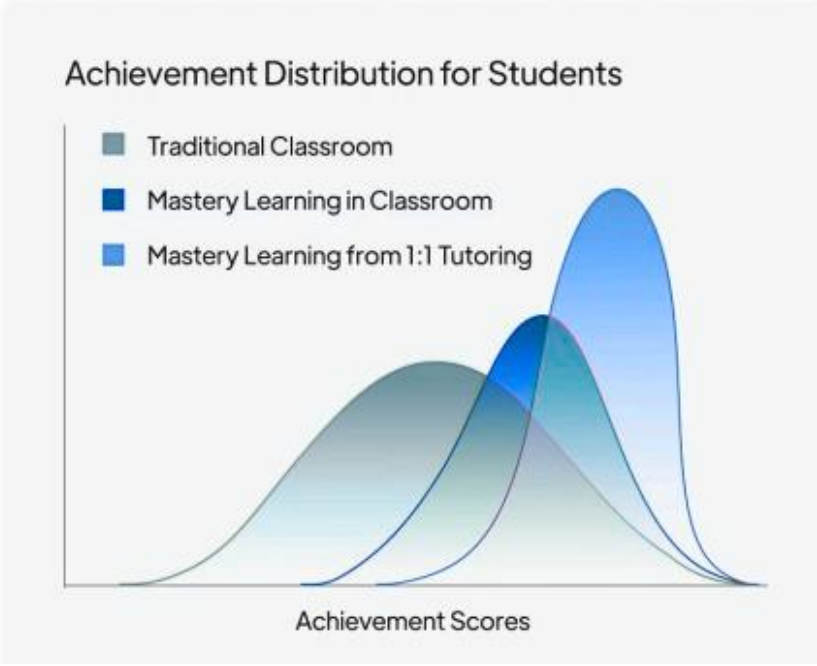


Fig.16: Bloom's 2 Sigma paper findings in action

The 2 Hour Learning model is grounded in extensive learning science research, especially Bloom's findings, which show that students can learn significantly faster with personalized approaches. As traditional classroom models cannot replicate these results, we make sure nothing about our model is conventional, ***and that's the core of how we work and succeed.***

We have removed the teacher from the front of the classroom. No one has ever dared to do this before. Imagine starting a school and declaring, "We won't have any academic teachers." We did exactly that! Hundreds of Alpha Austin parents made their kids pioneers in this bold experiment over the past 10 years, and because of their courage, your child can now benefit from this groundbreaking approach.

Let's take two learning science examples from Bloom's 2 sigma paper.

Individualized Tutoring and Learning Plans: Example #1 of why the teacher-in-front-of-the-classroom model doesn't work.

Classroom Diversity in Knowledge: 80% of a standard classroom does not have the same background knowledge, especially post-COVID. Some students are behind, some are at grade level, and some are ahead, so teachers have no choice but to teach the 'middle' – the average.

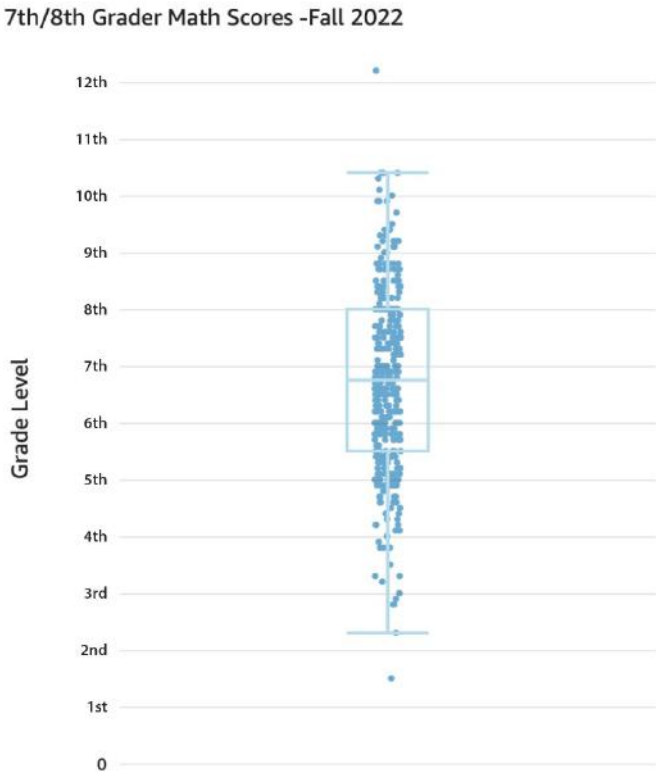


Fig.17: A visualization of the spread of scores in one grade

A teacher can't possibly give individual lessons to each kid, but an AI tutor can. It is not confined to the standard limitations.

Case Study: We had a new 8th grader join the school who was behind academically, though she and her parents didn't realize the extent of the issue – a common occurrence. If placed in 8th-grade material based on her age, it would have been overwhelming and demoralizing. Instead, the AI tutor assessed her needs and started her with 5th-grade material. This precise placement and individualized learning plan boosted her confidence and proved she could learn. With just one extra hour of work, she quickly advanced. By the end of her first year at Alpha, she was academically ready for high school, saving her years of struggle.

Mastery-Based Learning: Example #2 of why the teacher-in-front-of-the-classroom model doesn't work.

Mastery learning is a game-changing concept: Don't put students in material that is over their heads, and if they haven't mastered the basics, they do not attempt the advanced. But for this to work, students need to be given all the time they need to nail the material. Unfortunately, traditional classrooms can't ever handle this.

Teachers must stick to the lesson plan, moving on to new concepts as the school year progresses. If students don't fully understand, there's not much that can be done about it.

This approach leaves students with any learning gaps at all struggling in advanced lessons at some point or another. If you can't ace 70% of division problems, you'll be lost in fractions, which demand mastery of division and multiplication, and even if you understand 90% at one point, the remaining 10% can still snowball down the line.

Unless students have grasped 100% of the lesson, they are not 'okay' to move on to the next concept. Given below are the consequences of what happens when this is allowed: the average high school senior scores the same on a nationwide standardized test as the best 3rd grader.

Spring Mathematics Student Achievement Percentiles, *continued*

Pct	K	1	2	3	4	5	6	7	8	9	10	12	Pct
50	157	176	189	201	211	219	223	227	230	230	232	234	50
51	157	177	190	201	211	219	223	227	231	231	233		51
52	158	177	190	202	211	220	224	228	231	231	233	235	52
53	158	177	190	202	212	220	224	228	232	232	234	236	53
54	158	178	191	202	212	220	225	229	232	232	235	236	54
55	159	178	191	203	212	221	225	229	233	233	235	237	55
56	159	178	191	203	213	221	226	230	233	233	236	238	56
57	159	179	192	204	213	222	226	230	234	234	236	238	57
58	160	179	192	204	214	222	226	230	234	234	237	239	58
59	160	179	192	204	214	223	227	231	235	235	237	239	59
60	160	180	193	205	214	223	227	231	235	235	238	240	60
61	160	180	193	205	215	223	228	232	236	236	238	240	61
62	161	180	194	205	215	224	228	232	236	236	239	241	62
63	161	181	194	206	216	224	229	233	237	237	239	241	63
64	161	181	194	206	216	225	229	233	237	237	240	242	64
65	162	181	195	207	217	225	230	234	238	238	241	243	65
66	162	182	195	207	217	226	230	234	239	239	241	243	66
67	162	182	195	207	217	226	231	235	239	239	242	244	67
68	163	183	196	208	218	227	231	235	240	240	242	244	68
69	163	183	196	208	218	227	232	236	240	240	243	245	69
70	163	183	196	208	219	228	232	236	241	241	244	246	70
71	164	184	197	209	219	228	233	237	241	241	244	246	71
72	164	184	197	209	220	228	233	238	242	242	245	247	72
73	164	184	198	210	220	229	234	238	243	243	245	248	73
74	165	185	198	210	221	229	234	239	243	243	246	248	74
75	165	185	198	211	221	230	235	239	244	244	247	249	75
76	166	186	199	211	222	231	235	240	244	245	247	250	76
77	166	186	199	211	222	231	236	240	245	245	248	250	77
78	166	187	200	212	223	232	236	241	246	246	249	251	78
79	167	187	200	212	223	232	237	242	246	247	250	252	79
80	167	187	201	213	224	233	238	242	247	247	250	252	80
81	168	188	201	213	224	233	238	243	248	248	251	253	81
82	168	188	202	214	225	234	239	244	249	249	252	254	82
83	169	189	202	215	225	235	240	244	249	250	253	255	83
84	169	190	203	215	226	235	240	245	250	251	254	256	84
85	170	190	203	216	227	236	241	246	251	251	254	257	85
86	170	191	204	216	227	237	242	247	252	252	255	258	86
87	171	191	205	217	228	238	243	248	253	253	256	259	87
88	171	192	205	218	229	238	243	249	254	254	257	260	88
89	172	193	206	218	230	239	244	250	255	255	258	261	89
90	173	193	207	219	230	240	245	251	256	256	260	262	90
91	173	194	207	220	231	241	246	252	257	258	261	263	91
92	174	195	208	221	232	242	247	253	258	259	262	265	92
93	175	196	209	222	233	243	249	254	260	260	264	266	93
94	176	197	210	223	235	245	250	256	261	262	265	268	94
95	177	198	212	224	236	246	252	257	263	264	267	270	95
96	178	199	213	226	238	248	253	259	265	266	270	272	96
97	180	201	215	230	240	250	256	262	268	269	272	275	97
98	182	203	217	232	242	253	259	265	271	272	276	279	98
99	185	207	221	234	246	258	264	270	277	278	282	285	99

50% of our graduating seniors know as much math as the best 3rd grader

Fig.18: Conceptual discrepancies across grade levels

That's the learning science behind 2 Hour Learning and our success. With AI Tutors, students get individualized plans tailored to their pace and level of knowledge, ensuring they achieve true mastery before moving on, giving them clarity and encouragement. Now, let's dive into the detailed aspects.

Tactical Insights

Time to Learn a Subject: In a traditional school, there are 180 school days, typically with 1 hour per day in class plus homework. Here's an Alpha chart detailing the number of lessons per grade, the duration of each lesson, and the total time required by students.

Math: Essential Lessons, Minutes per Lesson, and Hours to Grade Mastery (23-24 SY)
Campus: All / Level: All
This table shows how many essential lessons are in each grade, how many minutes students take to master each lesson (on average), and how many hours of study are required to finish the entire grade.

Subject / Grade	Number of Essential Lessons	Minutes per Lesson	Hours to Grade Mastery
Math - 01	146	13	45
Math - 02	138	14	47
Math - 03	149	12	44
Math - 04	112	19	50
Math - 05	117	19	53
Math - 06	107	18	46
Math - 07	80	21	40
Math - 08	80	17	32
Math - 09	161	20	78
Math - 10	139	25	84
Math - 11	130	21	64
Math - 12	109	32	82
Math - K	178	8	34
Average	**178**	**18**	**54**

Language: Essential Lessons, Minutes per Lesson, and Hours to Grade Mastery (23-24 SY)
Campus: All / Level: All
This table shows how many essential lessons are in each grade, how many minutes students take to master each lesson (on average), and how many hours of study are required to finish the entire grade.

Subject / Grade	Number of Essential Lessons	Minutes per Lesson	Hours to Grade Mastery
Language - 01	141	11	38
Language - 02	161	11	43
Language - 03	107	15	38
Language - 04	93	14	31
Language - 05	92	13	28
Language - 06	98	15	36
Language - 07	75	15	27
Language - 08	106	12	29
Language - 09	105	12	30
Language - 10	99	11	26
Language - 11	83	11	22
Language - 12	79	13	24
Language - K	92	8	17
Average	**102**	**12**	**30**

Science: Essential Lessons, Minutes per Lesson, and Hours to Grade Mastery (23-24 SY)
Campus: All / Level: All
This table shows how many essential lessons are in each grade, how many minutes students take to master each lesson (on average), and how many hours of study are required to finish the entire grade.

Subject / Grade	Number of Essential Lessons	Minutes per Lesson	Hours to Grade Mastery
Science - 01	11	2	1
Science - 02	44	5	5
Science - 03	45	11	12
Science - 04	39	18	17
Science - 05	49	13	15
Science - 06	51	15	18
Science - 07	49	14	16
Science - 08	39	14	13
Average	**41**	**11**	**12**

Fig.19: Alpha Lesson Chart showing the number of lessons per grade, the average time per lesson, and the total time required

Breakdown: 3rd-grade language has ~100 lessons, averaging 16 minutes per lesson, totaling 40 hours. Now, you might pick up on the fact that it should only take about 25 hours, not 40. So why the difference?

Well, when students get stuck, the AI Struggle Detector steps in, identifying when a student is facing challenges and providing additional targeted or easier lessons to address these difficulties. Students thus end up doing more than the minimum number of lessons. Plus, there are days when students might not be fully focused—they're messing around, distracted, or just not feeling it.

On average, they can complete the entire grade level in 40 hours. Let's break that down. If they used 1-hour classes, they'd finish in less than 2 months. We use 30-minute sessions, so it takes 80 days to finish.

With 180 school days in the year, a student needs to finish a grade in 90 days if they're going to complete 2 grades in one year. 80 days fits comfortably within that 90-day window, allowing for test days and absences. Once they master 3rd grade, they move on to 4th grade for the second 90-day period, which has 93 lessons at 15 minutes each.

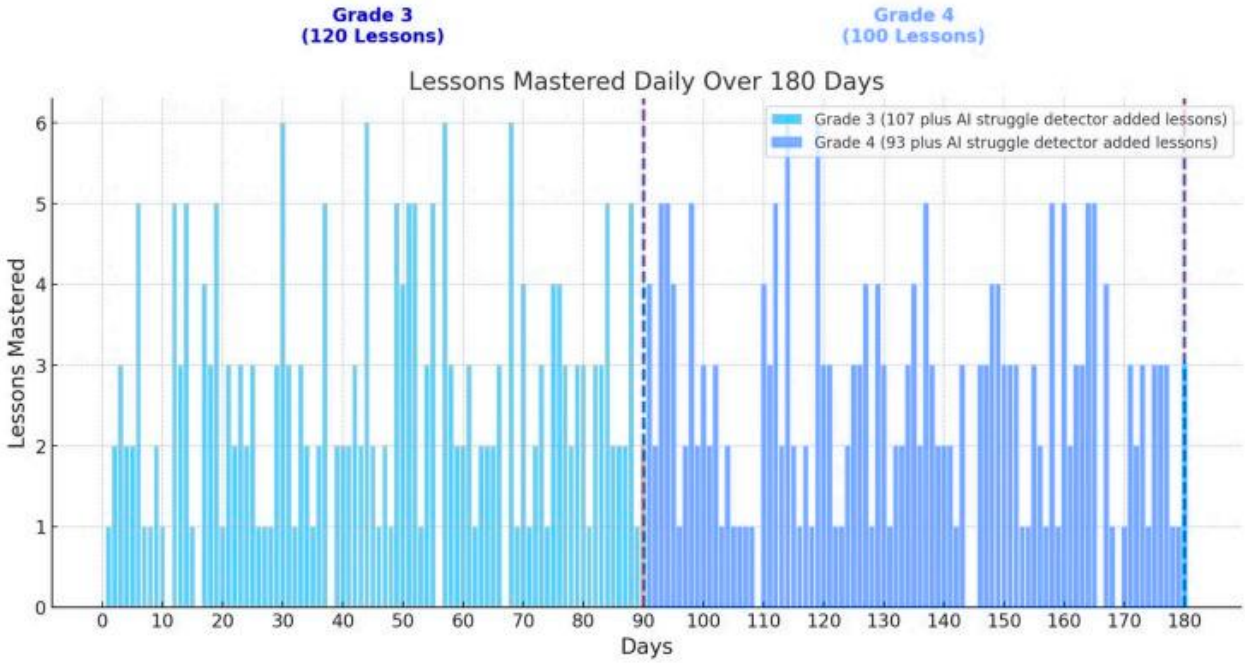


Fig. 20: Lessons per grade mastered over the course of 180 days

So there you have it: This is how students can easily learn 2x as much in only 2 hours/day.

Addressing Potential Issues

However, there will be a few cases where our model will not work for your child. There are three reasons why this may happen:

- **Material Too Hard:** If students don't have the necessary Fast Math skills for advanced material, they will struggle. Without memorizing basic addition, subtraction, multiplication, and division tables, they can't progress in 2 hours. They must go back and master these basics first. In our program, students are given specific lessons and time to memorize them, often newly learning that the quickest path forward is by going back to solidify foundational skills.

- **Lack of Engagement:** The system fails if students don't engage with the app. If they refuse to use it or misuse it (e.g., typing random letters into math problems), it indicates a motivation issue. This is what we have our Guides tackle. They spend their day motivating and emotionally supporting students, working tirelessly to find ways to keep them engaged.

- **Parental Alignment:** The most challenging aspect to overcome is when parents are not philosophically aligned with the 2 Hour Learning model. This misalignment can hinder student engagement. It's crucial for parents to understand how 2 Hour Learning works and see the results so they can decide if they support their child becoming a self-driven learner or prefer a traditional teacher-led approach.

Daily Learning Processes

Another question we get asked is about what a day in the life of a 2 Hour Learning student looks like. At Alpha, the structure of the 120 minutes is as follows:

- **4 Sessions of 25 Minutes Each:** Utilizing the Pomodoro technique, students engage in focused 25-minute sessions dedicated to Math, Science (& Social Science), Language (& Writing), and Reading.
- **Additional 20 Minutes:** This time is primarily devoted to Math but also includes vital learning concepts such as learning strategies, test-taking techniques, and Depth of Knowledge (DOK) exercises.
- **Incorporating Breaks:** The 2-hour schedule includes necessary breaks and recess to keep students refreshed and engaged.
- **Balanced Subject Time:** Science and Language occupy roughly half the time allocated to Math and Reading. Once students complete their Science and Language material, they transition to History, Social Science, and additional writing lessons, ensuring holistic education.

After this, they have their afternoons to engage with their passions, delve into interests, and learn valuable life skills.

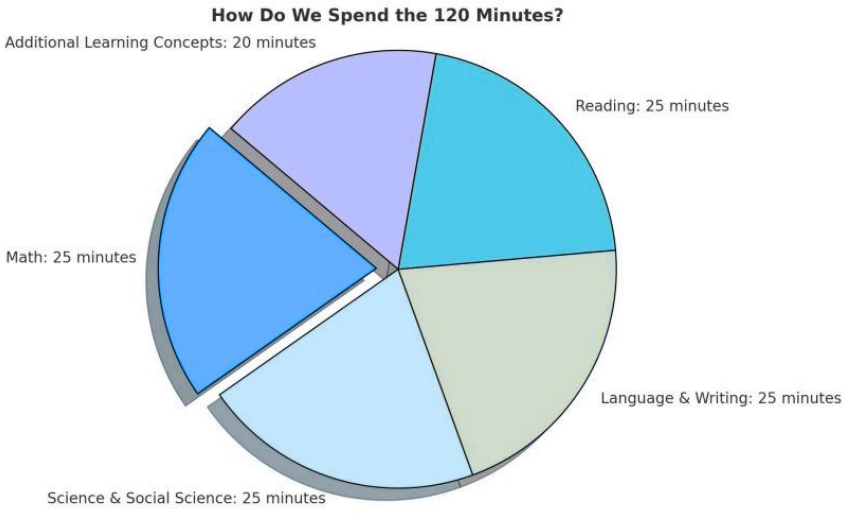


Fig.21: 120 Minutes with 2 Hour Learning

Student Experience

When academic sessions are underway, students use an individual dashboard called Dash to manage their learning, which ensures:

Visual Progress Tracking: The student can see a visual representation of the lessons remaining in their grade level. The Jenga tower illustrates the subjects they have mastered and the ones still to be completed.

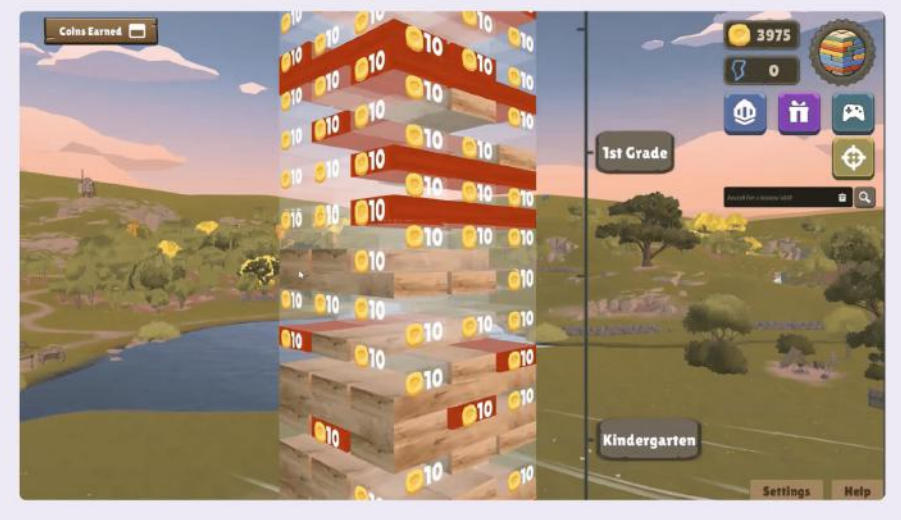


Fig.22: Dash Jenga Tower

Goal Setting: Students can set long-term goals and see how these impact their daily objectives. This feature fosters a sense of ownership and control over their learning journey. (Parents also have access to this information.)

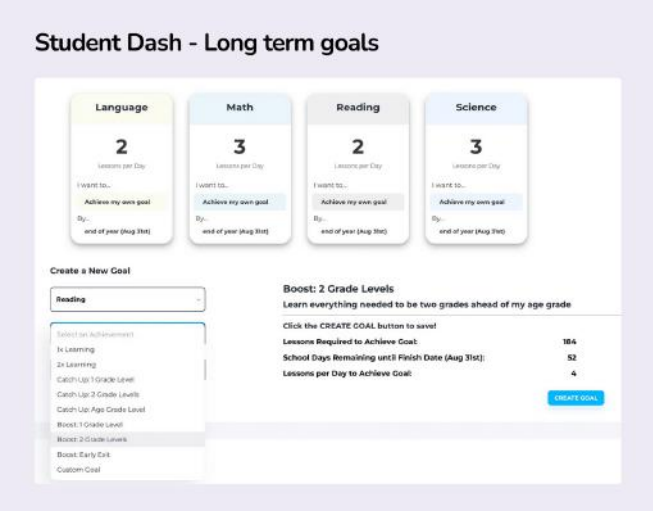


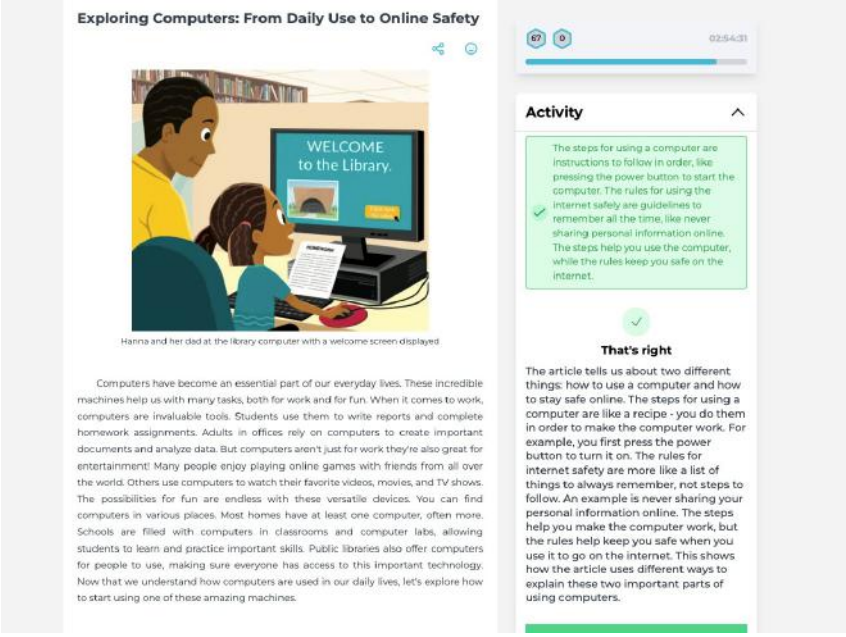
Fig.23: Dash Student Goals

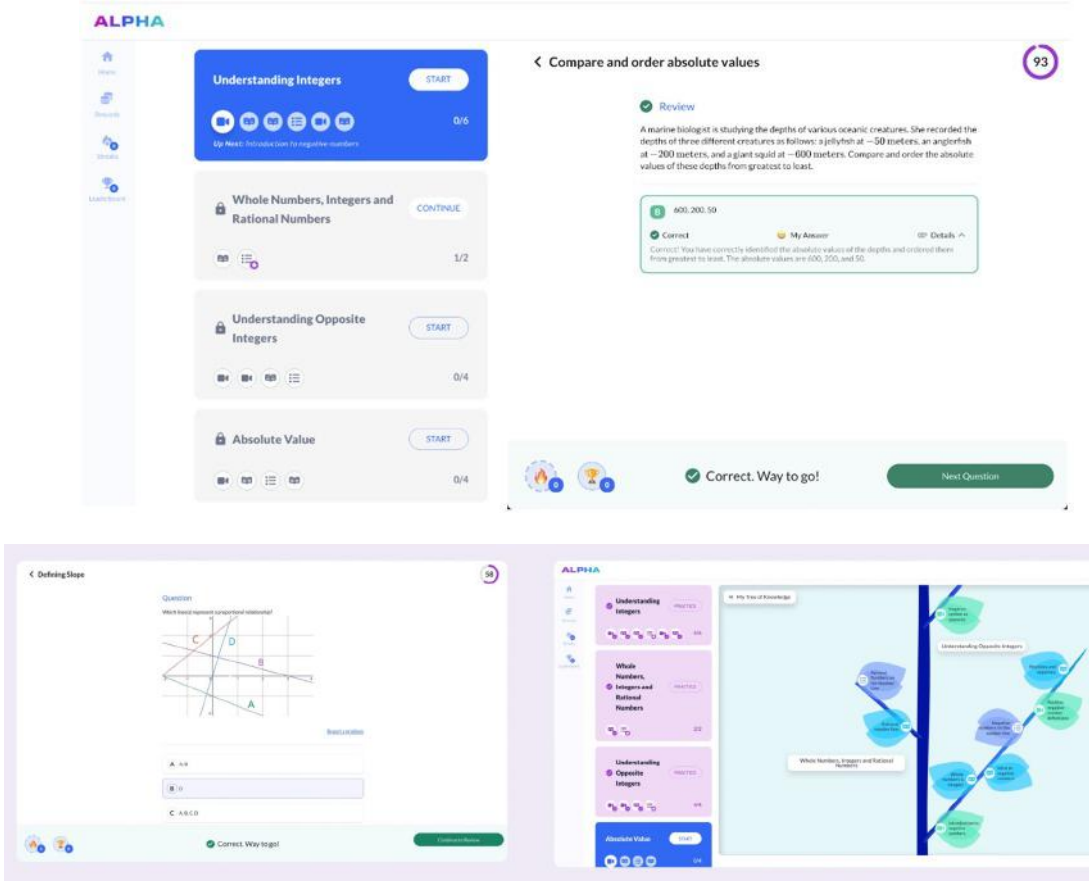
Daily Completion Check: The Daily Rings feature allows students to easily check if they have finished their daily work, providing immediate feedback and motivation.

Fig.24: Dash Daily Rings

The Apps: Take a look at our application interfaces. During 2 Hour Learning, students work in adaptive apps tailored to each subject. These apps match the student's exact level and pace while offering various ways to present information, including auditory and video supplements. This approach is especially beneficial for younger learners and students with learning differences.

The AI tutor guides students on how to use the apps to learn, helping them when they encounter challenges. It is constantly assessing and monitoring how a student is progressing through their lessons via Speed Bumps and Struggle Detector.





Questions Answered	Time Elapsed	NeuroBoost
1	00h 04m 17s	29

Write a set of sentences using the conjunctions "because", "but", and "so".

Learn with an example

1. Drums are an essential part of a band.

Write a new sentence that is of the following form:

Drums are an essential part of a band **because**

Drums are an essential part of a band because they make a lot of noise.

2. Write a new sentence that is of the following form:

Drums are an essential part of a band, **but**

Feedback

- **End your sentence:** To complete your sentence, you'll want to add a period at the end. This is important as it signifies the ending of a thought.
- **Clarify your ideas:** Make sure to provide different contrasting ideas on either side of "but". In this case, saying "Drums are essential, but they are important" is contradictory because being essential and important mean the same thing.
- **Use more descriptive language:** Instead of reusing the term "important", you might want to discuss in what way

important

3.

Check

Fig.25: The Alpha Apps AlphaRead, AlphaFlash, and AlphaWrite apps show sample questions and feedback

How Do Parents Know What's Going On?

Parental Monitoring and Insights: One of the major advantages of using an AI tutor is the access to incredibly detailed data on what your child knows and doesn't know, far surpassing traditional school metrics. Trusting teachers and schools to self-grade often leads to rampant grade inflation. In fact, 90% of parents believe their child is at grade level, while standardized tests show that less than 50% actually are. Parents are frequently shocked by the low PSAT/SAT scores of their "A" students and end up hiring tutors to compensate, often discovering these issues too late.

Learning Plan: The learning plan available to each parent and student at Alpha is updated daily. Think of it as a CAT scan, providing a detailed view of what your child knows and where there are gaps.

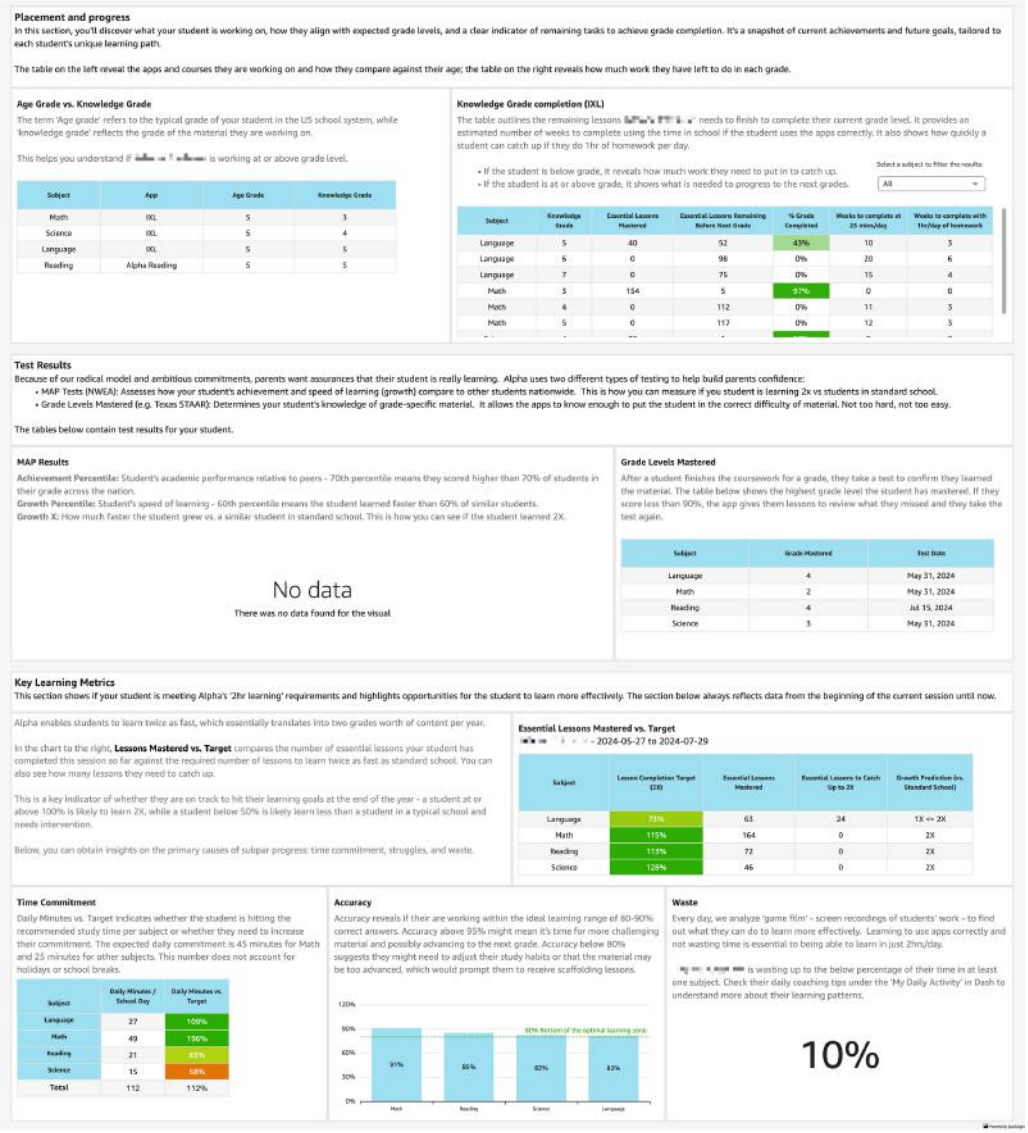
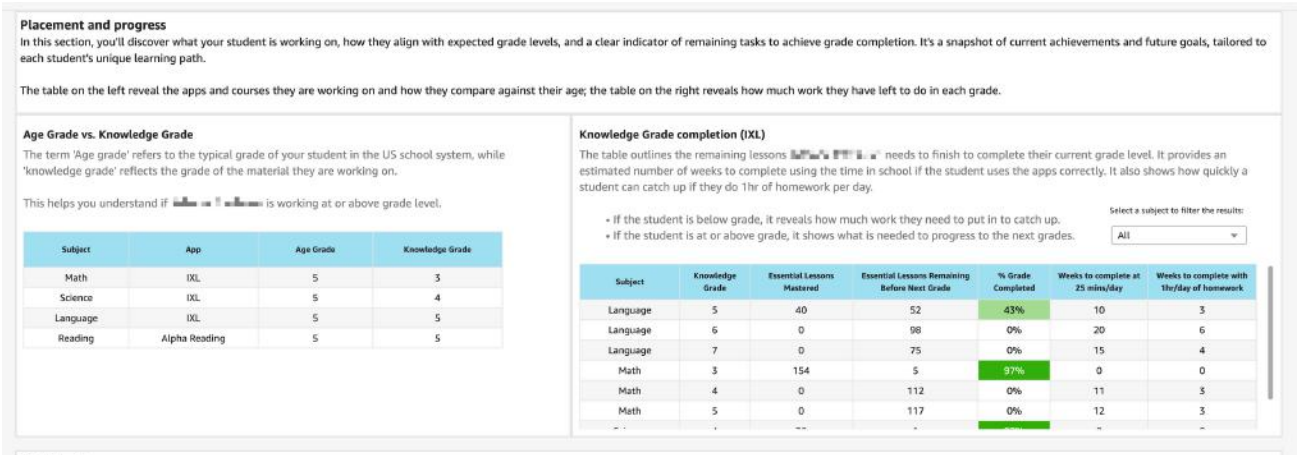


Fig.26: Learning Plan Screen Image



Placement and progress

In this section, you'll discover what your student is working on, how they align with expected grade levels, and a clear indicator of remaining tasks to achieve grade completion. It's a snapshot of current achievements and future goals, tailored to each student's unique learning path.

The table on the left reveal the apps and courses they are working on and how they compare against their age; the table on the right reveals how much work they have left to do in each grade.

Age Grade vs. Knowledge Grade

The term 'Age grade' refers to the typical grade of your student in the US school system, while 'knowledge grade' reflects the grade of the material they are working on.

This helps you understand if [redacted] is working at or above grade level.

Subject	App	Age Grade	Knowledge Grade
Math	IXL	5	3
Science	IXL	5	4
Language	IXL	5	5
Reading	Alpha Reading	5	5

Knowledge Grade completion (IXL)

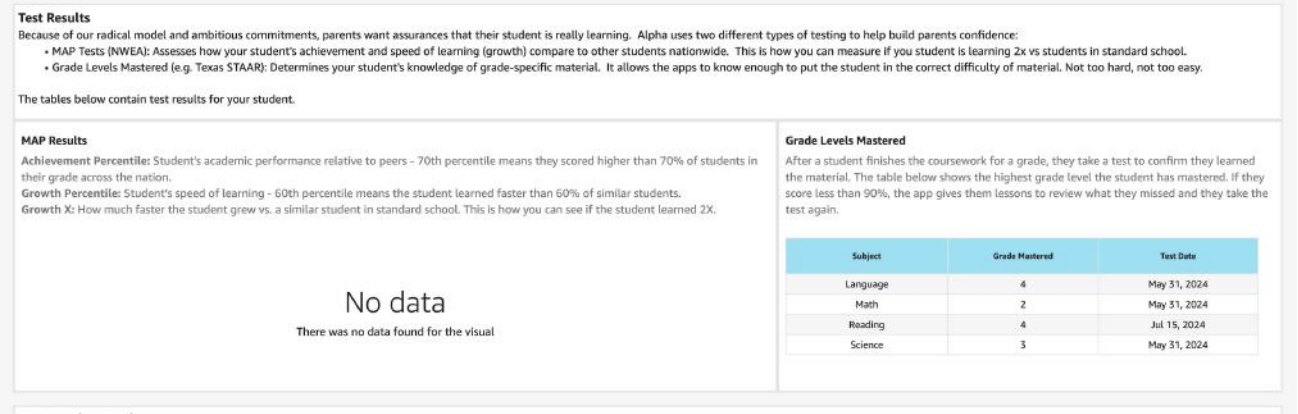
The table outlines the remaining lessons [redacted] needs to finish to complete their current grade level. It provides an estimated number of weeks to complete using the time in school if the student uses the apps correctly. It also shows how quickly a student can catch up if they do 1hr of homework per day.

- If the student is below grade, it reveals how much work they need to put in to catch up.
- If the student is at or above grade, it shows what is needed to progress to the next grades.

Select a subject to filter the results: All

Subject	Knowledge Grade	Essential Lessons Mastered	Essential Lessons Remaining Before Next Grade	% Grade Completed	Weeks to complete at 25 mins/day	Weeks to complete with 1hr/day of homework
Language	5	40	52	43%	10	3
Language	6	0	98	0%	20	6
Language	7	0	75	0%	15	4
Math	3	154	5	97%	0	0
Math	4	0	112	0%	11	3
Math	5	0	117	0%	12	3

First up, the **MAP results** show the student's percentile achievement measuring how much they know compared to their peers. They also show **percentile growth,** indicating how fast they are learning. Times growth compares their learning speed to that of students in traditional schools, aiming for 2x faster learning.



Test Results

Because of our radical model and ambitious commitments, parents want assurances that their student is really learning. Alpha uses two different types of testing to help build parents confidence:

- MAP Tests (NWEA): Assesses how your student's achievement and speed of learning (growth) compare to other students nationwide. This is how you can measure if you student is learning 2x vs students in standard school.
- Grade Levels Mastered (e.g. Texas STAAR): Determines your student's knowledge of grade-specific material. It allows the apps to know enough to put the student in the correct difficulty of material. Not too hard, not too easy.

The tables below contain test results for your student.

MAP Results

Achievement Percentile: Student's academic performance relative to peers - 70th percentile means they scored higher than 70% of students in their grade across the nation.
Growth Percentile: Student's speed of learning - 60th percentile means the student learned faster than 60% of similar students.
Growth X: How much faster the student grew vs. a similar student in standard school. This is how you can see if the student learned 2X.

No data

There was no data found for the visual

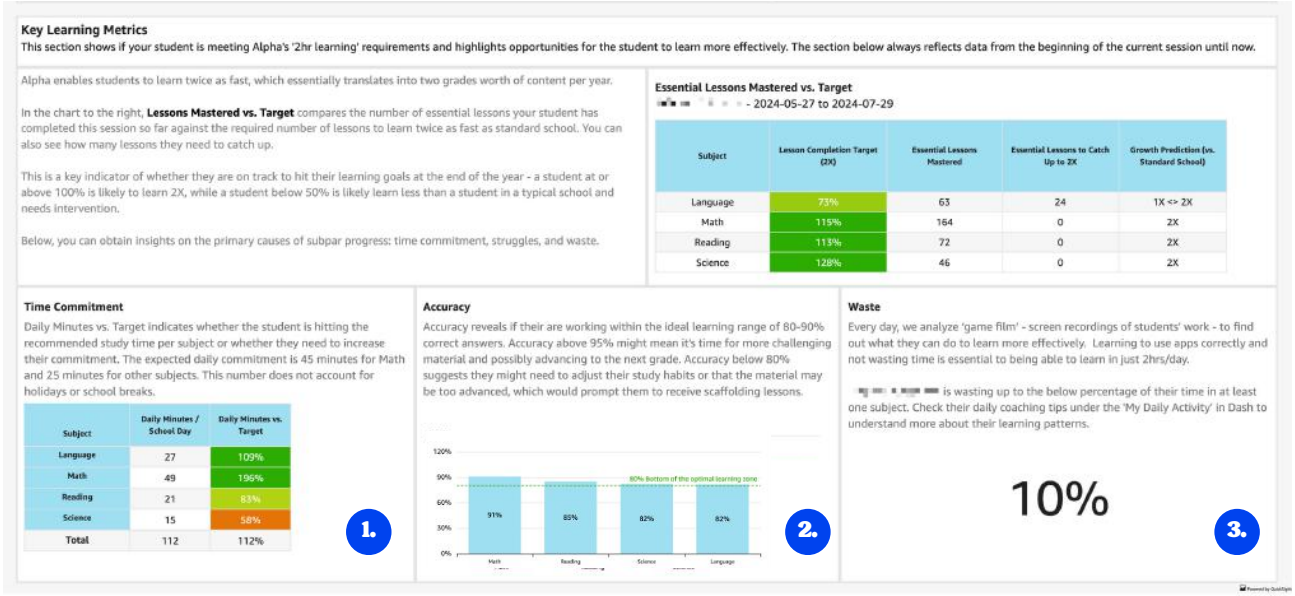
Grade Levels Mastered

After a student finishes the coursework for a grade, they take a test to confirm they learned the material. The table below shows the highest grade level the student has mastered. If they score less than 90%, the app gives them lessons to review what they missed and they take the test again.

Subject	Grade Mastered	Test Date
Language	4	May 31, 2024
Math	2	May 31, 2024
Reading	4	Jul 15, 2024
Science	3	May 31, 2024

Next, we have **standardized tests** that demonstrate mastery of a grade level. These tests vary by location—Texas uses the STAAR test, and Florida uses the FAST test. We are also adding national tests like the ISEE and SSAT for benchmarking. To finish a grade level, ***students must score 90% on these tests, a mastery standard far higher than state or standard school requirements*.**

The final section focuses on learning efficiency, which is critical for teaching kids to learn in just 2 hours a day.



1. We track the **number of minutes per day.** This shows how many minutes a student spends on each subject daily and their "% to target"—whether they're spending more or less time than required. Typically, this is 25 minutes per subject per day.
2. Then, we move on to **accuracy.** This quality control check ensures effective learning. If a student consistently scores above 95%, the material is too easy. If they score below 70%, it's too hard, or they're guessing.
3. Lastly, we have the **WASTE meter**—which tracks the percentage of time a student is wasting. Our AI tutor monitors whether the student is using the apps correctly. This includes being present at the computer, entering meaningful answers, reading explanations, and avoiding random guessing. Proper app usage is essential to finishing academics in just 2 hours a day. Students spending more than 2 hours often have high WASTE scores above 50%.

Metric-oriented parents value this screen as it provides unparalleled insight into what their child knows and doesn't know, a level of detail unavailable in traditional classroom settings. Comprehensive insight allows parents to understand their child's academic strengths and areas needing improvement in real time, fostering a more proactive and involved approach to education. This transparency and data-driven methodology ensure that each student receives the personalized support they need to thrive.

Conclusion

2 Hour Learning is not just about accelerated academics. It's about giving students the tools to become lifelong learners, critical thinkers, and capable individuals. By mastering their studies in just 2 hours a day, students have more time to develop crucial life skills, pursue their passions, and enjoy their childhood.

Choosing the right school for a child is a significant decision. Children have unlimited potential, and 2 Hour Learning has the tools to unlock it. This model redefines what's possible in education, revolutionizing how students learn and grow.

Thank you for considering 2 Hour Learning. We look forward to partnering with you in your child's journey and transforming the future of education.