# AMSA ACCOUNTABILITY PLAN 2025-2030

| Advanced Math and Science Academy Charter School (AMSA) | | | |
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| **Type of Charter** (Commonwealth or Horace Mann) | Commonwealth | **Location** | Marlborough |
| **Regional or Non-Regional** | Regional | **Districts in Region** | Marlborough, Clinton, Hudson and Maynard |
| **Year Opened** | 2005 | **Year(s) Renewed** | 2010, 2015, 2020, 2025 |
| **Maximum Enrollment** | 966 | **Chartered Grade Span** | 6-12 |
| **Mission Statement: The Advanced Math and Science Academy Charter School will create an atmosphere of celebration of knowledge where children of all backgrounds and abilities excel in all subjects, especially in math, science, and technology, empowering them to succeed in the workplace of our modern high-tech world.** | | | |

**Key Design Elements** (with parenthetical citations to pages from the charter application or charter amendment):

1. Celebration of Knowledge and Inspire an Appreciation of Learning (p. 20 charter)
2. Highly structured educational model, which is logically organized and interconnected with multi-year courses (Executive Summary) in which teachers introduce and build upon fundamental concepts and theories in math, science, computer science, and the humanities, preparing students for college and life after AMSA. (p. 4, 5 charter)
3. Cultivate a generation of leaders (and collaborators) who are challenged at the maximum of their ability and current intellectual preparedness with the goal of further advancing this "maximum" level. (p.24 charter)

**The charter school commits to meeting Criteria 1 through 10 as outlined in the Charter School Performance Criteria.**

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| **Date of Preliminary Department Approval:** | 06/02/2025 |
| **Date of Board Approval:** | 06/10/2025 |
| **Date of Department Approval:** | |

Objectives and Measures related to Mission and Key Design Elements (*required*):

| **Objective (for KDE 1)**: **AMSA will create an environment that celebrates knowledge and inspires an appreciation of learning.** | |
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| **Measure**: Annually, 100% of Latin students in level 4 and AP will take the Biliteracy State Seal STAMP 4S test in Latin, with 75% scoring Intermediate Low or above. | **Data to be reported:**<br>● Number and percentage of Latin students in level 4 and AP Latin who score Intermediate Low or above.<br><br>**Data collection plan:**<br>● Academic Department Chair-World Language and Latin 4/AP Lead<br>● End of the Academic Year (June)<br>● Accountability Folder |
| **Measure:** Annually, 95% of all AMSA students in grades 6 through 11 will participate in the annual American Mathematics Competitions (AMC), with 90% of the students receiving a score. (This indicates that they have attempted at least one problem, as all problems are advanced and unconventional.) | **Data to be reported:**<br>● Percentage of Students who Participate<br>● Percentage of students who receive a score that is not zero, as this indicates an attempted problem.<br><br>**Data collection plan:**<br>● Academic Department Chair-Math and Director of Accountability<br>● November and January Test Dates<br>● Accountability Folder |
| **Measure:** Annually, 85% of seniors will take courses beyond the graduation requirement in at least two subject areas during their high school career. | **Data to be reported:**<br>● Percentage of seniors taking courses beyond AMSA requirements in two subject areas.<br><br>**Data collection plan:**<br>● Director of School Counseling and Director of Accountability<br>● End of Year Course Review<br>● Accountability Folder |

| **<u>Objective (for KDE 2)</u>: AMSA's educational model will prepare students for college and professional life.** | |
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| **Measure:** Annually, 90% of Seniors will earn CPR Certification | **Data to be reported:**<br>● Percentage of Seniors who earn CPR certification.<br><br>**Data collection plan:**<br>● Academic Department Chair-Wellness<br>● Various times throughout the academic year<br>● Accountability Folder |
| **Measure:** Annually, AMSA seniors will attend Higher Education at a rate 25% higher than the state. "Graduates Attending Higher Education" data is reported as part of the school and district profile. The reported data will be delayed by one year. | **Data to be reported:**<br>● Percentage difference of AMSA Graduates Attending Higher education measured against the percentage of State Graduates attending higher education.<br><br>**Data collection plan:**<br>● Director of Accountability<br>● Data reviewed for the prior year<br>● DESE School Profile |
| **<u>Objective (for KDE 3)</u>:** AMSA will challenge all students to the maximum of their ability and current intellectual preparedness with the goal of further advancing their "maximum" level. | |
| **Measure:** Annually, 85% of AMSA's high needs students will complete advanced coursework. Completed advanced coursework is defined by DESE on the school and district profile. The reported data will be delayed by one year. | **Data to be reported:**<br>● Percentage of Students who have completed advanced coursework.<br><br>**Data collection plan:**<br>● Director of Accountability<br>● Data reviewed for the prior year<br>● DESE School Profile |

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| **Measure:** Annually, 95% of AMSA's grade 9 students with disabilities will pass all courses as reported on the DESE school profile. The reported data will be delayed by one year.<br>2022 Data 50% passing all<br>2023 Data 91% passing all<br>Heat Map | **Data to be reported:**<br>● Percentage of Grade Nine Students who have passed all classes as reported on the DESE school profile.<br><br>**Data collection plan:**<br>● Director of Accountability<br>● Data reviewed for the prior year<br>● DESE School Profile |
| **Measure:** Annually, the mean AP exam score for each racial/ethnic group reported by the College Board (Asian, Black or African American, Hispanic or Latino, White, and Two or More Races) will be greater than 3. Data will be reported for any group with at least 10 students (n ≥ 10). (Prior year scores will be used due to the timing of score release.)<br>2024 Data<br>Asian 3.95<br>Black 2.55<br>Hispanic 2.68<br>White 3.65<br>Two or More races 4.33 | **Data to be reported:**<br>● AP Scores for racial/ethnic groups reported by the College Board.<br><br>**Data collection plan:**<br>● Director of School Counseling<br>● Use of prior year scores that are reported by the College Board in July<br>● Accountability Folder |

Objective and Measures related to Dissemination (*required*):

| **Objective: AMSA will disseminate best practices with other educational entities** | |
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| **Measure:** Each year throughout its charter term, AMSA will share its best practices for Tier 1 interventions with other educational entities, such as peer mediation and directed study. | **Data to be reported:**<br>● **List of Schools that were contacted for collaboration**<br>● **Number of responsive and participating districts**<br><br>**Data collection plan:**<br>● AMSA Administration and Director of Accountability<br>● Annually<br>● Accountability Folder |
| **Measure:** Each year throughout its charter term, AMSA will share its best practices for optimal student academic performance. | **Data to be reported:**<br>● **List of Schools that were contacted for collaboration**<br>● **Number of responsive and participating districts**<br><br>**Data collection plan:**<br>● AMSA Administration and Director of Accountability<br>● Annually<br>● Accountability Folder |