

## MATH AND SCIENCE ACADEMY

*Adopted: April 16, 2024*

### 601 CHARTER SCHOOL CURRICULUM AND INSTRUCTION GOALS

*[Note: Minnesota Statutes, section 120B.11 requires charter schools to adopt a comprehensive long-term strategic plan that addresses the review of curriculum, instruction, student achievement, and assessment. MSBA/MASA Model Policies 601, 603, and 616 address these statutory requirements. In addition, MSBA/MASA Model Policies 613-615 and 617-620 provide procedures to further implement the requirements of Minnesota Statutes, section 120B.11.]*

#### I. PURPOSE

The purpose of this policy is to establish broad curriculum parameters for Math and Science Academy that encompass the Minnesota Academic Standards and federal law and are aligned with creating the world's best workforce.

#### II. GENERAL STATEMENT OF POLICY

The policy of Math and Science Academy is to establish the “world’s best workforce” in which all learning in Math and Science Academy should be directed and for which all Math and Science Academy learners should be held accountable.

#### III. DEFINITIONS

- A. “Academic standard” means a summary description of student learning in a required content area or elective content area.
- B. “Antiracist” means actively working to identify and eliminate racism in all forms in order to change policies, behaviors, and beliefs that perpetuate racist ideas and actions.
- C. “Benchmark” means specific knowledge or skill that a student must master to complete part of an academic standard by the end of the grade level or grade band.
- D. "Culturally sustaining" means integrating content and practices that infuse the culture and language of Black, Indigenous, and People of Color communities who have been and continue to be harmed and erased through the education system.
- E. “Curriculum” means Math and Science Academy or school adopted programs and written plans for providing students with learning experiences that lead to expected knowledge, skills, and career and college readiness.
- F. “Ethnic studies” as defined in Minnesota Statutes, section 120B.25, has the same meaning for purposes of this section. Ethnic studies curriculum may be integrated

in existing curricular opportunities or provided through additional curricular offerings.

- G. “Experiential learning” means learning for students that includes career exploration through a specific class or course or through work-based experiences such as job shadowing, mentoring, entrepreneurship, service learning, volunteering, internships, other cooperative work experience, youth apprenticeship, or employment.
- H. "Institutional racism" means structures, policies, and practices within and across institutions that produce outcomes that disadvantage those who are Black, Indigenous, and People of Color.
- I. “Instruction” means methods of providing learning experiences that enable students to meet state and Math and Science Academy academic standards and graduation requirements including applied and experiential learning.
- J. “Performance measures” are measures to determine Math and Science Academy and school site progress in striving to create the world’s best workforce and must include at least the following:
  - 1. the size of the academic achievement gap; rigorous course taking, including college-level advanced placement, international baccalaureate, postsecondary enrollment options, including concurrent enrollment, other rigorous courses of study or industry certification courses or programs, and enrichment experiences by student subgroup;
  - 2. student performance on the Minnesota Comprehensive Assessments;
  - 3. high school graduation rates; and
  - 4. career and college readiness under Minnesota Statutes, section 120B.30, subdivision 1.
- K. “World’s best workforce” means striving to: meet school readiness goals; close the academic achievement gap among all racial and ethnic groups of students and between students living in poverty and students not living in poverty; have all students attain career and college readiness before graduating from high school; and have all students graduate from high school.

**[Note: Definitions B, D, F, and H are added to Minnesota Statutes 120B.11—the World’s Best Workforce law—effective August 1, 2023. The definitions apply to revisions to the World’s Best Workforce law regarding strategic plans; these revisions are effective “for all strategic plans reviewed and updated after June 30, 2024.**

**Because school districts may choose to implement the new definitions and the strategic plan revisions before June 30, 2024, MSBA includes the new definitions and revisions in Articles III and IV. A school district could choose to wait to adopt the new definitions and revisions with the understanding that they will be effective for all strategic plans reviewed and updated after June 30, 2024.]**

#### **IV. LONG-TERM STRATEGIC PLAN**

A. The Math and Science Academy school board, at a public meeting, must adopt a comprehensive, long-term strategic plan to support and improve teaching and learning that is aligned with creating the world's best workforce and includes the following:

1. clearly defined charter school and school site goals and benchmarks for instruction and student achievement for all student categories identified in Minnesota Statutes, section 120B.35, subdivision 3, paragraph (b)(2).;

***[Note: MSBA/MASA Model Policy 601, Section IV.B. and MSBA/MASA Model Policy 616 address this requirement.]***

2. a process to assess and evaluate each student's progress toward meeting state and local academic standards, assess and identify students for participation in gifted and talented programs and services and accelerate their instruction, adopt early-admission procedures consistent with Minnesota Statutes, section 120B.15 and identifying the strengths and weaknesses of instruction in pursuit of student and school success and curriculum affecting students' progress and growth toward career and college readiness and leading to the world's best workforce;

***[Note: MSBA/MASA Model Policy 618 addresses this requirement.]***

3. a system to periodically review and evaluate the effectiveness of all instruction and curriculum, taking into account strategies and best practices, student outcomes, principal evaluations under Minnesota Statutes, section 123B.147, subdivision 3, students' access to effective teachers who are members of populations underrepresented among the licensed teachers in Math and Science Academy and who reflect the diversity of enrolled students under Minnesota Statutes, section 120B.35, subdivision 3(b)(2), and teacher evaluations under Minnesota Statutes, section 122A.40, subdivision. 8, or 122A.41, subdivision 5;

***[Note: MSBA/MASA Model Policy 616 addresses this requirement.]***

4. strategies for improving instruction, curriculum, and student achievement, including the English and, where practicable, the native language development and the academic achievement of English learners;

***[Note: MSBA/MASA Model Policy 616 addresses this requirement.]***

5. a process to examine the equitable distribution of teachers and strategies to ensure children in low-income families, children in families of People of Color, and children in American Indian families are not taught at higher rates than other children by inexperienced, ineffective, or out-of-field teachers;
  6. education effectiveness practices that:
    - a. integrate high-quality instruction, technology, and curriculum that is rigorous, accurate, antiracist, and culturally sustaining;
    - b. ensure learning and work environments validate, affirm, embrace, and integrate cultural and community strengths for all students, families, and employees;
    - c. provide a collaborative professional culture that seeks to retain qualified, racially and ethnically diverse staff effective at working with diverse students while developing and supporting teacher quality, performance, and effectiveness; and
  7. an annual budget for continuing to implement Math and Science Academy plan; and
  8. identifying a list of suggested and required materials, resources, sample curricula, and pedagogical skills for use in kindergarten through grade 12 that accurately reflect the diversity of the state of Minnesota.
- B. Math and Science Academy is not required to include information regarding literacy in a plan or report required under this section, except with regard to the academic achievement of English learners.
- C. Every child is reading at or above grade level every year, beginning in kindergarten, and multilingual learners and students receiving special education services are receiving support in achieving their individualized reading goals pursuant to Policy 621 (Literacy and the Read Act).

***Legal References:*** Minn. Stat. § 120B.018 (Definitions)  
Minn. Stat. § 120B.02 (Educational Expectations and Graduation Requirements for Minnesota Students)  
Minn. Stat. § 120B.11 (School District Process for Reviewing Curriculum, Instruction, and Student Achievement; Striving for the World's Best Workforce)  
Minn. Stat. § 120B.12 (Read Act Goal and Interventions)  
Minn. Stat. § 120B.30, Subd. 1 (Statewide Testing and Reporting System)

Minn. Stat. § 120B.35, Subd. 3 (Student Academic Achievement and Growth)  
Minn. Stat. § 122A.40, Subd. 8 (Employment; Contracts; Termination)  
Minn. Stat. § 122A.41, Subd. 5 (Teacher Tenure Act; Cities of the First Class; Definitions)  
Minn. Stat. § 123B.147, Subd. 3 (Principals)  
Minn. Stat. § 125A.56, Subd. 1 (Alternate Instruction Required before Assessment Referral)  
20 U.S.C. § 5801, *et seq.* (National Education Goals)  
20 U.S.C. § 6301, *et seq.* (Every Student Succeeds Act)

***Cross References:*** MSBA/MASA Model Policy 104 (Charter School Mission Statement)  
MSBA/MASA Model Policy 613 (Graduation Requirements)  
MSBA/MASA Model Policy 614 (Charter school Testing Plan and Procedure)  
MSBA/MASA Model Policy 615 (Testing Accommodations, Modifications, and Exemptions for IEPs, Section 504 Plans, and LEP Students)  
MSBA/MASA Model Policy 616 (Charter School System Accountability)  
MSBA/MASA Model Policy 618 (Assessment of Student Achievement)  
MSBA/MASA Model Policy 621 (Literacy and READ Act)