



The Skyview Science, Math, and Technology Magnet (SMT) is dedicated to providing a challenging academic program that prepares students for college-level study while preserving the traditional high school experience. Our program focuses on integrating rigorous science, math, and technology content with state-of-the-art technology, emphasizing problem-solving skills and the engineering design process. Skyview SMT offers Project Lead The Way (PLTW) courses in pre-engineering and computer science courses that engage students in hands-on learning that prepares them for the kind of work they can expect in the field. Skyview SMT also accepts Advanced Placement (AP) science and math classes which offer college credit in universities across the US. Every SMT student engages in one individual or group research project in their 4-year course work which includes engaging in an academic competition which allows students to face the challenges of potential career paths. Graduating as a part of SMT grants a student valuable experience in careers that have a foundation in science, engineering, technology or math and successful completion of our requirements will net students an SMT Diploma. The combination of participating in rigorous academic courses, completing and competing in research, and dedicating time to a four-year high school program helps students build a competitive transcript when applying for future programs, colleges, and careers.

Mission Statement:

The SMT Magnet at Skyview High School is part of a comprehensive four-year public high school which engages and empowers students to become 21st century creative problem solvers through interdisciplinary research and application in the areas of science, technology, engineering and mathematics.

The Three Skyview SMT Requirements

Student Capstone Project

All students are required to present a Science, Math, or Engineering research project at an SMT recognized competition and participate annually in the SMT Showcase at SHS during the month of May.



<http://vansd.org/choices/smt/>

Credit

1 Credit SMT 9th Grade English
 3 Credits Lab Science
 3 Credits Math
 2 Credits Technology*
 2 Elective Credits (in Science, Math, or Technology)

11 Total Credits

* *Class of 2026 on:* At least one credit from the Engineering Group is required

Community Service Hours

All SMT students are required to log 30 cumulative hours of supervised community service by the end of their Senior Year



GPA Requirement

SMT students must maintain a 2.5 grade point average in all courses.

Grades will be reviewed each semester and GPA for the term will be calculated. Any student not maintaining a 2.5 GPA will be placed on academic probation. Any student who does not meet 2.5 GPA requirement a second time during enrollment in the program will be dismissed from the SMT Magnet.



GRADUATION:

SMT students must complete the following requirements (CREDITS, PROJECT, and COMMUNITY SERVICE) to obtain an SMT Diploma and be awarded an SMT stole for the graduation ceremony.

*Clark College Science, Math, Technology courses are **NOT** approved Skyview SMT courses.

APPROVED SMT COURSE CREDITS: 11 Credits must be earned from the following list.

Math – 3 credits, up to and including SMT Honors Algebra II

- SMT Algebra I: (M3111/3112)**
- SMT Geometry: (M3211/M3212)
- Honors SMT Geometry (M3221/M3222)
- Honors SMT Algebra II: (M3321/M3322)
- SMT Honors Pre-Calculus: (3421/3422)
- AP Calculus (I) AB: (3821/3822)
- AP Calculus (II) BC: (3831/3832)
- AP Statistics: (3761/3762)

Science – 3 credits Lab Science

- SMT Honors Biology: (7391/7392)*
- AP Biology: (7721/7722)
- Physics (7771/7772)
- AP Environmental Science: (7151/7152, 7151V/7152V)
- SMT Honors Chemistry: (7741/7742)
- AP Chemistry: (7761/7762)
- AP Physics 1: (7801/7802)
- AP Physics 2: (7804/7805)
- AP Physics C: (7806/7807)
- Human Anatomy & Physiology: (7561/7562)

*Students planning on enrolling in biology need to be enrolled in a math course of SMT Geometry or above.

Students who enroll in SMT Algebra I will need to enroll in SMT Environmental Science, an SMT **elective.

Technology – 2 credits

Class of 2026 on: One credit from the Engineering Group is required

Engineering Group

- PLTW Intro to Engineering Design: (4661/4662)
- PLTW Principles of Engineering: (4691/4692)
- PLTW Digital Electronics: (4681/4682)
- PLTW Engineering Design and Development: (4671/4672)
- Introduction to Coding I (4223/4224)
- Introduction to Coding II (4228/4229)
- AP Computer Science Principles: (4226/4227)
- AP Computer Science A: (4231/4232)
- Video Game Programming (5051/5052)

Technology Group:

- Robotics Foundations/Explorations: (4651/4652)
- Graphic Design: (0201/0202, 0201V/0202V)
- Advanced Graphic Design: (0211/0212, 0211V/0212V)
- Video Production: (4121/4122)
- Advanced Video Production: (4131/4132)
- Video Production-Special Projects: (4141/4142)
- Photography I, II and III: I (0311V); II (0312V); III (0321V/0322V)
- Photography Special Projects: (0331V/0332V)
- AP Studio Art 2D - Graphic Design: (0131VG/0132VG)
- AP Studio Art 2D - Photography: (0131VP/0132VP)
- Yearbook - Staff position: (2731V/2732V) Limited to 1.0 credit maximum



English – (9th Grade only) 1 credit

- SMT English 9 (2151/2152)

Electives in Science, Math or Technology – 2 credits

- SMT electives are any classes above that were not used originally as a science, math or technology credit
- SMT Environmental Science: (7161/7162) – 1.0 credit year-long course
- Health Sciences and Careers (6271v/6272v) – 0.5 credit year-long course
- SMT Research Project Course: (7871/7872) – 0.5 credit year-long course
- Yearbook - Editor position: (2731V/2732V) Limited to 1.0 credit maximum
- A cappella Choir (741/742), Symphonic Band (493/494) and Symphonic Orchestra (523/524)
 - 0.5 of SMT elective credit per year-long course
 - Limited to 1.0 credit maximum

*****EACH SEMESTER PASSED = 0.5 CREDIT (one year of a class = 1.0 credit)*****

30 Hours Community Service: To be completed throughout the 4 years of enrollment.

Presentation of Research Projects:

Students are required to present research projects:

1. For every year the student is a participant in the SMT Magnet Program, they are required to present a research project at the annual SMT Showcase.
2. Each student is required to produce one capstone project. The capstone represents longitudinal research that is done over the course of a year. It is a requirement that the capstone be judged at an SMT-approved competition.