Board Meeting: January 12, 2026

Title: 2026-2027 Secondary Courses General Add / Change Recommendations

Type: Action

Presenter(s): Jody De St. Hubert, Director of Teaching and Learning; Bethany Van Osdel, Assistant Director of Teaching and Learning; Mark Carlson, K-12 Science and Mathematics Coordinator

Description: As part of our continuous improvement efforts, each year the Teaching and Learning department brings forth proposals for new courses and recommendations for changes to courses for School Board review. These proposals and recommendations are generated by district and building staff, reviewed and refined through a collaborative process and presented to the school board for discussion and approval.

Engineering and Technology is the department with the most proposed change for 2026-2027. The proposed changes are being brought forward with the goal to:

1. make classes more accessible to students in their currently complex schedules.
2. make classes more engaging by reflecting data patterns in student interests.

Recommendation: Review the new course proposals for discussion, followed by approval in January.

Desired Outcomes from the Board: Review the report, have questions prepared, and provide feedback on the key information presented.

Appendix A:
Tentative Budget Proposals

Attachments:

1. Technology and Engineering Progression of Classes
2. EHS Course Catalog for Reference
3. Valley View Middle School Registration
4. South View Middle School Registration

NEW COURSE PROPOSALS

Edina High School

Department: Math

Course Name: AP Precalculus

Prerequisite: Letter grade of A or B in Algebra 2
Grade: 9,10,11,12
Length: Year long
Meets Requirement for: Mathematics
Fee: None
Course Description: AP Precalculus is a rigorous, college-level course designed to prepare students for success in higher-level mathematics, including calculus and beyond. The course develops a deep understanding of functions, modeling, and problem-solving by exploring linear, quadratic, polynomial, exponential, logarithmic, trigonometric, rational, and polar functions. Students will apply these concepts to real-world contexts, analyze data, and use multiple representations (graphical, numerical, analytical, and verbal). Emphasis is placed on reasoning, precision, and connections between mathematical ideas. Successful completion of AP Precalculus equips students with the knowledge and skills needed for college mathematics and provides the opportunity to earn college credit through the AP Exam.
Submitted by: Nathaniel Murphy

Department: Personal Wellness

Course Name: Racket Sports

Prerequisite: Personal Wellness
Grade: 9, 10, 11, 12
Length: Semester
Meets Requirement for: Physical Education
Fee: None
Course Description: This class embodies a Health Learning Environment for students as well as addressing a Motivated Lifelong Learner. Racket sports are a true embodiment of lifelong learning because mastery is a continual process, providing intrinsic motivation that lasts well beyond the class.
Submitted by: Mellanie Pusateri

Department: Family and Consumer Sciences

Course Name: Unified FACS

Prerequisite: preferred Unified Leadership experience
Grade: 9, 10, 11, 12
Length: Semester
Meets Requirement for: elective
Fee: none

Course Description: This course is an opportunity for special education students to work together with general ed students focusing on inclusion, teamwork, and empathy while learning basic cooking skills. This class will include units on kitchen safety & sanitation, nutrition, and simple food preparation techniques. This course is designed to help all students build life competencies in a fun, collaborative, and supportive environment.

Submitted by: Carissa McCartan

Department: Engineering and Technology

Course Name: **Biomedical Engineering**

Prerequisite: Biology
Grade: 11, 12
Length: Semester
Meets Requirement for: Elective
Fee: None

Course Description: Biomedical Engineering prepares students to conceive, design, and develop devices and systems that improve human health and quality of life. Biomedical Engineering is the convergence of life sciences with engineering. From child car seats and football helmets to drug-delivery systems, minimally invasive surgery, and noninvasive imaging technology, the work of the biomedical engineer makes a difference in everyone's life.

Submitted by: Jodi Ramirez

Edina Virtual Pathway

Department: Business

Course Name: **Marketing**

Prerequisite: None
Grade: Edina Virtual Pathway 9, 10, 11, 12
Length: Semester
Meets Requirement for: Elective
Fee: None

Course Description: This course is the study of developing skills and competencies needed for careers in marketing, merchandising, and management. The primary units of study include targeting, promotions, positioning, distribution, pricing, market research, branding, packaging, personal selling, digital marketing, social media marketing, and entrepreneurship. The students will demonstrate learning through in class activities, projects, presentations and unit assessments.

Submitted by: Steven Cullison

CHANGES TO COURSES

Edina High School

Department: Engineering and Technology

Current Course Name: Digital Electronics
Proposed Course Name Change To: Intro to Electrical Engineering
Prerequisite: None
Grade: ~~9, 10,~~ 11, 12
Length: ~~Full Year, S1 and S2~~ Semester
Meets Requirement for: Elective
Purpose: this would be a specialty course in the sequence of engineering courses at EHS recommended to be taken in 11th or 12th grade. It is also being changed to a one semester course
Description: This course provides a foundation for students who are interested in electrical engineering, electronics, or circuit design. Digital electronics is the foundation of all modern electronic devices such as smartphones, appliances, laptops, digital cameras and high-definition televisions. Students study topics such as combinational and sequential logic and are exposed to circuit design tools used in industry, including logic gates, integrated circuits, and programmable logic devices.
Submitted by: Jodi Ramirez

Current Course Name: Engineering Design & Development Capstone
Proposed Course Name Change To: Engineering Capstone
Prerequisite: Previous HS Engineering course
Grade: 12
Length: Full year
Meets Requirement for: Elective
Purpose: This is the capstone course in the EHS engineering sequence and recommended for 12th grade year; it is being changed from a one semester course to a full year course with internship opportunities.
Description: The knowledge and skills students have acquired through high school engineering courses come together in this course. Students identify an issue and then research it, presenting their solution. This course provides an opportunity for students to exercise their creativity and imagination, finding a solution to an issue using math and science through engineering. During this course, students will be provided an internship opportunity that connects to their engineering interests.
Submitted by: Jodi Ramirez

Current Course Name: Aerospace Engineering
Proposed Course Name Change To: Flight Systems Engineering
Prerequisite: None
Grade: 9, 10, 11, 12 *recommended 11th
Length: ~~Full year~~ Semester
Meets Requirement for: Elective
Purpose: This is a one semester, specialty course focused on the aviation part of the current, full year, aerospace engineering course. It is recommended for 11th grade year.
Description: This course propels student learning in the fundamentals of aviation and aerospace engineering. Students will begin with an exploration of the types of aircraft in use

today before going on to learn how aircrafts are made and how they fly. As they explore the physics of flight, students bring the concepts to life by designing an airfoil, glider, and parachute. Aerospace engineering explores the evolution of flight, navigation and control, flight fundamentals, and aerospace materials.

Submitted by: Jodi Ramirez

Current Course Name: **Aerospace Engineering**

Proposed Course Name Change To: Rocket and Space Systems
Prerequisite: None
Grade: 9, 10, 11, 12 *recommended 11th
Length: Semester
Meets Requirement for: Elective
Purpose: This is a one semester, specialty course focused on the rocket and space systems that are part of the current, full year, aerospace engineering course. It is recommended for 11th grade year.
Description: This course is focused on the study of rockets and space systems. As students explore the physics of space flight, they bring the concepts to life by designing a model rocket. They learn basic orbital mechanics using industry-standard software. Students also explore robot systems through projects such as remotely operated vehicles.

Submitted by: Jodi Ramirez

Course Name: **Principles of Engineering**

Prerequisites: None
Grade: 9, 10, 11, 12 *recommended 10th
Length: ~~Full Year, S1 and S2~~ Semester
Meets Requirement for: Elective
Purpose for Proposed Course Description: this would be the second course in the sequence of engineering courses at EHS; it is being changed to a one semester course
Course Description: This course introduces students to the field of engineering by exploring various technology systems, engineering careers, and manufacturing processes. Students learn how engineers use math, science and technology in an engineering problem solving process to benefit people everywhere. Through hands-on problems that engage and challenge, students explore a broad range of engineering topics including mechanisms, the strength of structures and materials, and automation.

Submitted by: Jodi Ramirez

Course Name: **Intro to Engineering Design**

Prerequisites: None
Grade: 9, 10, 11, 12 *recommended 9th
Length: ~~Full Year, S1 and S2~~ Semester
Meets Requirement for: Elective
Purpose for Proposed Course Description: This would be the first course in a sequence of engineering courses at EHS; it is being changed to a one semester course.
Course Description: This course introduces students to product design. Students will learn about and apply the design process to solve real world problems. Students will learn to

document the solution to an engineering problem through sketching, modeling in 3D computer software, the creation of working drawings, and the use of a 3D printer to create prototypes. As students learn to solve engineering problems, they will apply math, science, and engineering skills to their solution and work in teams to solve problems.

Submitted by: Jodi Ramirez

Department: Wellness and Health

Course Name: **Soccer Theory**

Prerequisites: Personal Wellness

Grade: 9,10, 11, 12

Length: 1 Semester, S1 or S2

Meets Requirement for: Physical Education

Purpose for Proposed Course Description:

Course Description: This course will enhance technical and tactical game knowledge, as well as playing ability through a challenging and competitive high school level soccer curriculum. Students will engage in a variety of soccer training methods that are aimed to improve all five areas of soccer development: fundamental/technical skills; tactical knowledge and playing ability, athleticism (strength, endurance, balance, coordination, speed); and game psychology. Mastering these five areas of soccer development will increase the student's playing ability. Students will learn the rules and fundamentals of soccer through game play.

Submitted by: Mellanie Pusateri

Department: ELA

Course Name: **African American Literature**

Prerequisites: English 10 Survey, English 10 Roundtable, Online English 10

Grade: 11, 12

Length: Semester

Meets Requirement for: meets fiction and nonfiction requirement

Course Description: Students will examine African American literature from the 18th century to the present day by engaging with diverse voices, genres, and perspectives. Literary study will be grounded in historical context, examining major movements and the writers who defined them.

Submitted by: Tess Bademan

Course Name: **Women Writers**

Prerequisites: English 10 Survey, English 10 Roundtable, Online English 10

Grade: 11, 12

Length: Semester

Meets Requirement for: meets fiction and nonfiction requirement

Course Description: Students will consider women's voices in various forms (stories, essays, novels, and poems), exploring the issues these works raise, the roles women accept or reject, and the ways they confront, accept, or reimagine convention.

Submitted by: Tess Bademan

Course Name: **Education Experience**

Prerequisites: None

Grade: 9,10, 11, 12

Length: Semester

Meets Requirement for: Elective

Course Description: This course allows students to earn elective credit while working in a real educational environment through Kids Club. Students work at their assigned site several days per week, including during the 7th hour, and must provide their own transportation from EHS. Throughout the semester, students will complete asynchronous assignments, meet performance benchmarks, and receive supervisor feedback. Consistent weekly work hours are required to earn credit. The course does not meet in person.

Submitted by: Sarah Irons

Department: Mathematics

Math is currently in the exploration phase of implementation science and will potentially have additional proposals to ensure alignment with new Minnesota Math standards at the January 12th School Board Meeting with an update provided in the Superintendent's Weekly Updates in December as needed.

Department: World Language

Course Name: **Enriched Spanish 4**

Prerequisites: None

Grade: 11, 12

Length: Full Year, S1 and S2

Meets Requirement for: Elective

Course Description: This course focuses on the development and refining of listening, speaking, reading and writing skills through the study of authentic resources from the Spanish-speaking world (art, education, demographics, natural resources, etc.). Students will make comparisons between what we are studying in class or their home culture(s). Students will learn more advanced grammar skills to enrich their speaking and writing proficiency, so they should be confident with grammar skills taught in level 3. The class is conducted primarily in Spanish.

Submitted by: Kim Caster

Current Course Name: **AP Latin/College in the Schools/Level 5**

Proposed Course Name Change To: Latin 5 - College in the Schools (CIS)

Purpose: **Submitted by:** Kim Caster

South View and Valley View Middle Schools

Department: Science

Course Name: **Compacted Science 7**

Grade: 7

Length: Full Year

Meets Requirement for: Science

Purpose for Proposed Course Description: This change is aligned with changes to the Compacted Science Pathway made for the 2025-26 school year in which Compacted Science 6 was dropped.

Course Description: This course provides a compacted learning experience based on demonstration of science competencies. Students enrolled in this course should be able to quickly comprehend and apply science concepts. Repetition and experimentation are limited due to the pace of this course. Time outside of class will be needed to meet pacing demands. It covers 2 years of middle school science standards in 1 year and prepares students to take 9th grade science as 8th graders. This course utilizes math learned in the accelerated math pathways.

Submitted by: Mark Carlson

DROP COURSE

South View and Valley View Middle Schools

Department: Math

Course Name: Compacted Algebra

What considerations lead to this drop request? This course currently serves as an acceleration opportunity by compacting 2 years of standards (8th and 9th grade) into one year. The course compacts both Algebra 1 and Intermediate Algebra courses. This course moves at an extremely fast pace. With the change to the new standards there is a greater emphasis placed on the Data Analysis standards. These standards are part of the Intermediate Algebra course thus placing additional standards in a Compacted Algebra course. This is not in the best interest of Edina students to ensure a solid foundation of learning. Instead the team's recommendation is to proceed with compacting three years of High School Standards (Intermediate Algebra, Geometry, and Algebra 2) into two years. This provides a better solution for ensuring a solid understanding of the standards at a more sustainable pace, while maintaining the same level of high-end acceleration opportunities for students.

Submitted by: Teaching and Learning

Edina High School

Department: Personal Wellness

Course Name: Wellness Lifetime Activities

What considerations lead to this drop request? We haven't run the class the past two years and we believe if we added a racket sports class we would meet more student interest and needs. Many other course offerings are in place and there is a student desire for racket activities.

Submitted by: Mellanie Pusateri

Appendix A: TENTATIVE BUDGET PROPOSALS

The following budget requests are all being reviewed in collaboration with Teaching Staff, Teaching and Learning, and DMTS. They reflect new costs. Final budget decisions will all be made with the lens of ensuring a rigorous and engaging experience for students and fiscal responsibility. The chart below gives a general overview of what is considered in the course request or change proposal process and does not reflect final budget decisions at this time. Final budget decisions will be communicated with teachers and administration in response to their requests between February and April of 2026.

COURSE TITLE	SCHOOL	COST IN CURRICULUM WRITING HOURS *All curriculum writing costs will be absorbed by T & L.*	COST IN MATERIALS
Racket Sports	EHS	Curriculum = **20-30 hours of curriculum writing x 1 teacher** Approximately **$1,700**	**Technology**: * No new costs - - - - - - - - - - - - - - - - - - **Curriculum/Materials:** $ We would need added equipment, in particular table tennis equipment. We currently have the equipment for tennis, pickleball and badminton. *EHS will absorb these costs. - - - - - - - - - - - - - - - - - - **On-going Consumable:** $ *EHS PE Depart will absorb these costs.
Biomedical Engineering	EHS	Curriculum = **20 hours x 1 teacher** Approximately **$1,200**	**Technology**: - - - - - - - - - - - - - - - - - - **Curriculum/Materials:** - - - - - - - - - - - - - - - - - - **On-going Costs:** *Unknown at this time. T & L and EHS will collaborate on costs.
AP Precalculus	EHS	Curriculum = 15 hours x 3 teachers Approximately **$2,500**	**Curriculum/Materials:** $ is dependent on the number of students, approximately $40-50 per student per year. *T & L will budget for this cost.
Replacement Compacted Math Class (Intermediate Algebra,	EHS	Curriculum = 15 hours x 3 teachers to get a start on this class Approximately **$2,500**	**Curriculum/Materials:** $ is dependent on the number of students, approximately $40-50 per student per year. *T & L will budget for this cost.

Geometry, and Algebra 2) **Class will be added for 27-28. This will be a start of curriculum writing time.*			
Marketing	EVP	Curriculum = **24 hours of curriculum writing x 1 teacher** Approximately **$1,500**	**Technology**: - - - - - - - - - - - - - - - - - - **Curriculum/Materials:** - - - - - - - - - - - - - - - - - - **On-going Costs:** *Unknown at this time. T & L and EHS will collaborate on costs.
Unified FACS	EHS	Curriculum = **20-30 hours of curriculum writing x 1 teacher** Approximately **$1,700**	Additional costs for accommodation materials: choppers, child safe knives... (this class would replace a section of foods to keep our 12 sections). *Student Support Services will absorb these costs.*