

# REGISTRATION GUIDE 2023-24



Career Development and  
Enrichment Opportunities  
Program

INDEPENDENT SCHOOL DISTRICT 196



# Career Development and Enrichment Opportunities Program

The District 196 Career Development and Enrichment Opportunities Program offers a variety of courses designed to expose you to possibilities available in today's and tomorrow's workforce. Business and community leaders across the nation indicate that you must have a sound academic background combined with the ability to apply what you learn to succeed in a global economy. The Career Development and Enrichment Opportunities Program courses can help you understand your interests and talents, select potential career fields for the future, and decide upon appropriate post-secondary learning and training opportunities.

The courses listed in this registration guide provide opportunities for you to reach your full potential. The courses incorporate strong academic preparation, unique field trip opportunities, and partnerships within the community. We encourage you to take advantage of these offerings and the expanded opportunities they provide.

## Registration

The Career Development and Enrichment Opportunities Program is offered to juniors and seniors enrolled at any of the district's high schools. Courses are filled on a space available basis unless otherwise noted in the registration guide. Priority registration is given to seniors, followed by juniors. You may register for any of the Career Development and Enrichment Opportunities Program courses through the regular registration process at your high school.

## Transportation

Transportation is provided to students who attend a Career Development course that is not in their home high school during Period 1-2 or Period 6-7.

Students who plan to transport themselves and/or carpool to Career Development courses are required to turn in a Release of Liability for Students Transporting Themselves Between School Sites\* During the School Day (707.13P). Students must purchase a parking permit from their home school in order to park on the campus where the course is taught.

## Concurrent Enrollment and Articulation Agreements

By successfully completing courses that are articulated with post-secondary institutions, you may earn college credit or a course waiver to enable you to enroll in the next level of a college program.

Ask your instructor about concurrent enrollment credits and articulation agreements that may be offered in your class.

District 196 does not discriminate in employment or in any of its programs and activities, including vocational opportunities, on the basis of race, color, creed, religion, national origin, sex, marital status, status with regard to public assistance, familial status, membership or activity in a local human rights commission, disability, sexual orientation, age or genetic information. District 196 provides equal access to designated youth groups.

The Director of Human Resources, Tom Pederstuen (651-423-7859 – tom.pederstuen@district196.org) has been designated to respond to employment-related inquiries regarding the non-discrimination policies including Title IX. The Director of Elementary Education, Sally Soliday (651-423-7782 – sally.soliday@district196.org) and the Director of Secondary Education, Dr. Mark Parr (651-423-7712 – mark.parr@district196.org) have been designated to respond to student-related inquiries regarding the non-discrimination policies including Title IX. The Director of Special Education, Mary Kreger (651-423-7629 – mary.kreger@district196.org) has been designated to respond to inquiries concerning the rights of a student with a disability (504 Coordinator). The mailing address for all directors is 3455 153rd Street W, Rosemount, MN 55068.

District 196 will take steps to assure that English language skills will not be a barrier to admission and participation in vocational programs. If you speak another language and have questions, please contact the District 196 Integration - Equity Coordinator at (651-423-7914).

# TABLE OF CONTENTS

## CAREER DEVELOPMENT

College in the Schools: Animal Science .....	1
Zoos, Aquariums, and Small Animal Care .....	1
Aviation and Ground School .....	2
Aviation Exploration .....	2
Computer Hardware, Software and Game Design .....	3
Computer Networking and Cybersecurity.....	3
Emergency Services.....	4
Advanced Emergency Services .....	4
Forensic Science .....	5
Advanced Forensic Science.....	5
Hospitality Careers.....	6
Advanced Hospitality Careers .....	6
Medical and Healthcare Careers .....	7
Advanced Medical and Healthcare Careers.....	7
Certified Nursing Assistant .....	7
Music Production .....	8
Advanced Music Production .....	8
Vehicle Services.....	9
Advanced Vehicle Services .....	9

## ENRICHMENT OPPORTUNITIES WITHIN CAREER DEVELOPMENT

Mentor Program: Seminar .....	10
Mentor Program: Field Experience .....	10

## College in the Schools: Animal Science

7701 College in the Schools: Animal Science A  
7702 College in the Schools: Animal Science B  
7703 College in the Schools: Animal Science C

Grade: 11, 12  
Site: School of Environmental Studies  
Prerequisite: See Below  
Length: Two Periods, Full Year Recommended



Introduction to Animal Science would be of benefit to any student planning on entering the field of animal care whether it is with pets, livestock, or exotics. Course content will emphasize fundamental concepts of physiology, nutrition, animal breeding and management. Students will gain experience in classroom and lab settings with pets and companion animals, rabbits, horses, dairy cattle, swine, poultry, fish, and other animals.

- Requirements set by the University of Minnesota for enrollment include being in the top 50% of your class or instructor approval. If you are not in the top 50% of your class, but feel this course is a good fit, please contact the instructor.

- Students successfully completing Animal Science A, B, and C may be able to earn college credit from the University of Minnesota. Students should contact the course instructor for more information.

## Zoos, Aquariums, and Small Animal Care

7707 Zoos, Aquariums, and Small Animal Care A  
7708 Zoos, Aquariums, and Small Animal Care B  
7709 Zoos, Aquariums, and Small Animal Care C

Grade: 11, 12  
Site: School of Environmental Studies  
Prerequisite: None  
Length: Two Periods, Full Year Recommended



This course will feature basic care and management of animals as pets, in zoos and aquariums, and in the wild. Students will gain valuable hands-on experience with animals. A special emphasis will be placed on freshwater and saltwater aquatic species. Students will visit the Minnesota Zoo and examine animal exhibits to learn about captive and wild animal management. Career areas explored include aquarium keeping, life support, zoo keeping, collections management, exhibit design, animal training, animal health, horticulture, pet care, and wildlife management.



## Aviation and Ground School

7710 Aviation and Ground School A  
7711 Aviation and Ground School B  
7712 Aviation and Ground School C

Grade: 11, 12  
Site: Eagan High School  
Prerequisite: Students must take 7710 prior to taking 7711 or 7712  
Length: Two Periods, Full Year Recommended  
Fees: Optional flight time may be arranged and paid for by student

LEARN TO FLY HERE! The aviation industry offers a wide range of career opportunities and there is a growing need for qualified personnel. If you are interested in pursuing a career in aviation, you've landed in the right place!

During this course, students will develop the skills and knowledge required to pass the FAA written exam for a private pilot's license by Certified Flight Instructors. Faculty from Academy College will teach this course at Eagan High School. Additionally, through field trips and guest speakers, students will explore a variety of careers in aviation, including: Commercial Pilot, Aircraft Maintenance Technician, Aerospace Engineering, Aircraft Manufacturing, Airport Operations, and Air Traffic Control. This is a hands-on course which includes a variety of projects, activities, and the use of flight simulators and drones!

- Students successfully completing Aviation & Ground School A, B and C and who pass the Private Pilot Exam may be able to earn Articulated Credit and/or Concurrent Credit from a local post-secondary institution. Students should contact the course instructor for more information regarding college credits and participating post-secondary institutions.

## Aviation Exploration

7713 Aviation Exploration

Grade: 11, 12  
Site: Remote/Synchronous  
Prerequisite: None  
Length: One Period, One Trimester

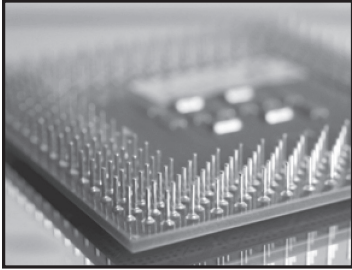
This is an exploratory course that introduces students to the world of aviation. Concepts covered include aircraft design, systems and operations, airline management and career opportunities.



## Computer Hardware, Software and Game Design

7731 Computer Hardware, Software and Game Design A  
7732 Computer Hardware, Software and Game Design B  
7733 Computer Hardware, Software and Game Design C

Grade: 11, 12  
Site: Rosemount High School  
Prerequisite: Students must take 7731 and/or 7732 prior to taking 7733  
Length: Two Periods, Full Year Recommended



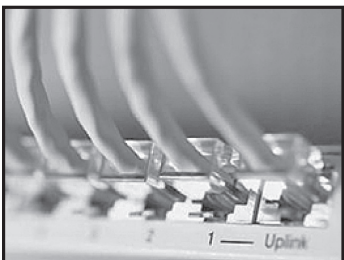
Computer Hardware, Software and Game Design presents an in-depth exposure to PC hardware, operating systems and video game design. The course will focus on the functionality, assembly and configuration of PC Hardware, the installation and configuration of Operating Systems, and introduction to Video Game Design through the use of online resources, hands-on activities, and labs. Students will also build a state of the art PC and learn to design and create game maps and levels for in-depth, hands-on projects.

• Students successfully completing Computer Hardware, Software and Game Design A, B and C may have the opportunity to earn Articulated College Credit from a post-secondary institution. Please contact the course instructor for more information regarding articulation agreements and participating colleges and universities.

## Computer Networking and Cybersecurity

7734 Computer Networking and Cybersecurity A  
7735 Computer Networking and Cybersecurity B  
7736 Computer Networking and Cybersecurity C

Grade: 11, 12  
Site: Apple Valley High School  
Prerequisite: Students must take 7734 and/or 7735 prior to taking 7736  
Length: Two Periods, Full Year Recommended



The Computer Networking and Cybersecurity course presents students with recognized industry standard training. Using text and graphics animation, students will learn basic networking terminology, internetworking concepts, and basic network routing and switching. In addition, students will complete hands-on projects such as wireless networking and homemade routers. Upon completion of this course, students will be prepared to take an industry recognized technical skills assessment.

Students successfully completing Computer Networking and Cybersecurity A, B and C may have the opportunity to earn Articulated College Credit from a post-secondary institution. Please contact the course instructor for more information regarding articulation agreements and participating colleges and universities.

## Emergency Services

7746 Emergency Medical Services A  
7747 Law Enforcement B  
7748 Fire Fighting C

Grade: 11, 12  
Site: School of Environmental Studies  
Prerequisite: None  
Length: Two Periods, Full Year Recommended



Law enforcement, firefighting and emergency medical service (EMS) careers demand quick thinking, adrenalin and sweat to answer the calls from individuals who need help or when responding to a natural or manmade disaster. First trimester, students will learn how to assess and treat wounded or sick patients while on scene by using all of the equipment found in an ambulance or rescue truck. During second trimester, this class focuses on criminal investigative techniques, state traffic and criminal law, and gives students an inside view of the wide variety of law enforcement career choices offered by local, state and federal agencies. Third trimester, the class includes learning fire suppression techniques while in full firefighter turnout gear, incident management, and awareness level certification in hazardous materials response.

- Students successfully completing Emergency Medical Services A, Law Enforcement B and/or Fire Fighting C may have the opportunity to earn Articulated College Credit from a post-secondary institution. Please contact the course instructor for more information regarding articulation agreements and participating colleges and universities.
- Students have the opportunity to become certified at the state and national levels as an EMS First Responder (required for all police and firefighters in Minnesota). NOTE: A student donation of \$20 will be requested.

## Advanced Emergency Services

7749 Advanced Emergency Services C

Grade: 12  
Site: TBD  
Prerequisite: Emergency Medical Services A  
Length: Two Periods, Full Year Recommended



This section of the course will prepare students to take the written and practical skills test required for certification by the Minnesota Emergency Medical Services Board as an Emergency Medical Technician. This national certification is the basic level required for ambulance drivers in the United States.

As a part of the EMS training each student will be required to have completed and passed a CPR course at the Professional Rescuer level and received Emergency Medical Responder certification through the Minnesota Emergency Medical Services Regulatory Board. This course will refresh the skills learned in the first trimester of Emergency Services Occupations and will also add the required knowledge needed in order to pass the National Registry of Emergency Medical Technicians written exam.

The evaluations in the course will include the following:

- State Evaluator score earned as part of the EMT Practical Skills Test (8 stations).
- The score received after taking the FSDAP computerized EMT preparation exam (150 questions).

The State of Minnesota requires all first time EMTs to pass the computerized test administered through the National Registry of Emergency Medical Technicians (NREMT). This test is given in Eagan and will cost \$70 each time it is taken. The FSDAP preparation exam is 96% accurate in determining if the candidate is ready to take the NREMT exam.

- Students successfully completing Advanced Emergency Services C may have the opportunity to earn Articulated College Credit from a post-secondary institution. Please contact the course instructor for more information regarding articulation agreements and participating colleges and universities.



## Forensic Science

7750 Forensic Science A  
7751 Forensic Science B  
7752 Forensic Science C

Grade: 11, 12

Site: Rosemount High School & School of  
Environmental Studies

Prerequisite: None

Length: Two Periods, Full Year Recommended



The forensic specialist's goal is to use all available information to determine the facts, and subsequently, the truth based on the evidence found at the crime scene. This course will define the scope of forensic science and introduce the student to career possibilities in forensic investigations. The enormous range of material challenges the ingenuity of the forensic specialist who examines and identifies hair, fibers, blood, body fluids, stains, alcohol, drugs, paint, glass, soil, flammables, and identifies firearms and compares bullets, tool markings, and foot prints. The class will analyze the role of the investigator through the use of case histories and hands-on experience.

## Advanced Forensic Science

7753 Advanced Forensic Science A  
7754 Advanced Forensic Science B  
7755 Advanced Forensic Science C

Grade: 12

Site: Rosemount High School

Prerequisite: Forensic Science A-C

Length: Two Periods, Full Year Recommended



Students who take Advanced Forensic Science have the opportunity to select one topic of interest within the forensic field to investigate in depth. Since forensics procedures are constantly being challenged in court (called a Daubert challenge) the task for the student in this course will be to take a close look at one of the protocols in forensics, find its strengths and weaknesses with regard to Daubert standards, and add to the current body of information about it. Research of a particular topic will include a review of the Daubert ruling, a literature search of the topic of interest, interaction with an expert in the field, designing and carrying out a scientific experiment to expand the body of knowledge of the topic, and presentation of findings to one of the forensics classes. In addition, students will be asked to use their

knowledge of forensics to help create one mock crime scene during the trimester and facilitate the processing of that scene by Forensic Science class members.

## Hospitality Careers

7756 Hospitality Careers A

7757 Hospitality Careers B

7758 Hospitality Careers C

Grade: 11, 12

Site: Eagan High School

Prerequisite: None

Length: Two periods, Full Year Recommended



This class could be your launching pad into a career in the Hospitality Industry: Event Planning, Travel & Tourism, Hotelier, Restaurant Management, Interior Design, Customer Service, Entrepreneurship, and many careers you have never heard of. Find a place to celebrate your unique talents and interests in this growing and every changing industry!

Hospitality Careers is a hands-on, sampler course and will be your favorite part of your day! You will experience a variety of authentic career and client based simulated projects, industry speakers, and field experiences. This hands-on approach will move you closer to discovering

your passions, talents and strengths, develop skills that you'll use for a lifetime and matching those to a career that you will love.

Students successfully completing Hospitality Careers A, B and C may have the opportunity to earn Articulated College Credit from a post-secondary institution. Please contact the course instructor for more information regarding articulation agreements and participating colleges and universities.

## Advanced Hospitality Careers

7759 Advanced Hospitality Careers A

7760 Advanced Hospitality Careers B

7761 Advanced Hospitality Careers C

Grade: 12

Site: Eagan High School

Prerequisite: Successful completion of Hospitality Careers A, B and C and instructor approval

Length: Two Periods, Full Year Recommended



Advanced Hospitality Careers provides students with leadership opportunities which may include:

- project management for Hospitality Careers
- job shadows, mentorships and/or internships within the Hospitality industry, and/or
- high school credit through the Work Based Learning program for paid employment

## Medical and Healthcare Careers

7762 Medical and Healthcare Careers A  
7763 Medical and Healthcare Careers B  
7764 Medical and Healthcare Careers C

Grade: 11, 12  
Site: East View High School  
Prerequisite: None  
Length: Two Periods, Full Year Recommended



Students will learn the principles and processes of the health, medical and human performance sciences in a classroom and laboratory setting. Through the study of basic anatomy, physiology and medical terminology, students will apply core academic and career specific technical skills to explore health related careers in medicine, emergency medicine, nursing, sports medicine, physical therapy, exercise physiology, dietetics/nutrition, medical technical, laboratory sciences, biotechnology, psychology and medical research. Guest speakers, job shadowing, "animation clay" labs, clinical activities, and field trips are key components of the course. Assorted models, "Interactive Anatomy" computer programs and synthetic human body manikins and structures provide outstanding hands-on learning tools.

- Students successfully completing Medical and Healthcare Careers A, B and C may have the opportunity to earn Articulated College Credit from a post-secondary institution. Please contact the course instructor for more information regarding articulation agreements and participating colleges and universities.

## Advanced Medical and Healthcare Careers

7765 Advanced Medical and Healthcare Careers A  
7766 Advanced Medical and Healthcare Careers B  
7767 Advanced Medical and Healthcare Careers C

Grade: 12  
Site: TBD  
Prerequisite: Medical and Healthcare Careers A-C  
Length: Two Periods, Full Year Recommended



Students will learn and apply the principles and processes of health, medical and human performance sciences in a classroom and laboratory setting. Students will apply core academic and career specific technical skills to explore health-related careers within the individual's selected target careers.

- Students successfully completing Advanced Medical and Healthcare Careers A, B and C may have the opportunity to earn Articulated College Credit from a post-secondary institution. Please contact the course instructor for more information regarding articulation agreements and participating colleges and universities.

## Certified Nursing Assistant

7743 Certified Nursing Assistant A  
7744 Certified Nursing Assistant B  
7745 Certified Nursing Assistant C

Grade: 11, 12  
Site: School of Environmental Studies,  
Apple Valley High School & Eagan High School  
Prerequisite: None  
Length: Two Periods, One Trimester

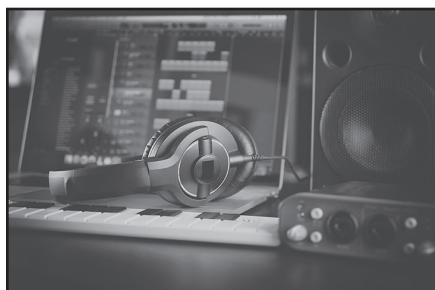
Certified Nursing Assistants are in high demand and provide an entry into all aspects of health care. Through hands-on and laboratory experience, students will understand the role of a nursing assistant, develop the skills to address patients' basic needs and apply their skills in a clinical setting. Students taking this course will take both the written and skills exam to become a Certified Nursing Assistant on the Minnesota Department of Health Nursing Registry.

- Students successfully completing Certified Nursing Assistant may have the opportunity to earn college credit from a post-secondary institution. Please contact the course instructor for more information.

## Music Production

7768 Music Production A  
7769 Music Production B  
7770 Music Production C

Grade: 11, 12  
Site: School of Environmental Studies  
and Apple Valley High School  
Prerequisite: Students must take 7768 and/or 7769  
prior to taking 7770  
Length: Two Periods, Full Year Recommended



This full year course is designed for the student who wants to explore career options related to the music recording and production industry. Through class work, independent projects, and solo or ensemble rehearsal, students will learn the skills, theory, and techniques of music recording and production. Using today's music studio technology and techniques, students will create recorded works in many different styles. No previous training in music is necessary to take this course.

Students must enroll in sections A and B in order to participate in section C. During section C, students will have the opportunity to take a project through the pre-production, recording, editing, mixing, and mastering processes.

Successful completion of this course, Music Production 1A, B or C, satisfies the one credit Minnesota Arts graduation standard.

## Advanced Music Production

7771 Advanced Music Production A  
7772 Advanced Music Production B  
7773 Advanced Music Production C

Grade: 11, 12  
Site: School of Environmental Studies  
and Apple Valley High School  
Prerequisite: Successful completion of Music  
Production A, B and C and Instructor Approval  
Length: 1, 2 or 3 Trimesters (depending on project)

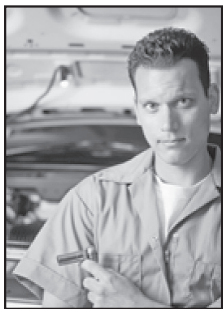


Advanced Music Production is for students who have demonstrated proficiency in Music Production and developed a proposal for an independent learning project in cooperation with the instructor. This may include internship or mentorship opportunities, composition of original work, or the further development of advanced production skills. Students will complete the course by presenting a portfolio of their work that demonstrates their knowledge of music production.

## Vehicle Services

7774 Vehicle Services A  
7775 Vehicle Services B  
7776 Vehicle Services C

Grade: 11, 12  
Site: Rosemount High School  
Prerequisite: None  
Length: Two Periods, Full Year Recommended



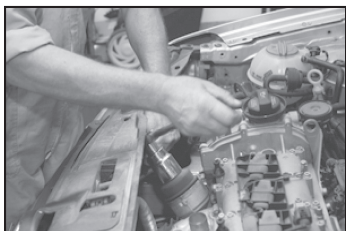
An automobile is the second largest expense most people will incur. The Vehicle Services class will explore the skills needed for today's successful automotive technician. The curriculum will concentrate on the Maintenance and Light Repairs (MLR) level of training that NATEF (National Automotive Technicians Education Foundation) standards require. This industry is in great demand and rewards entry level technicians with a high paying, livable wage while attending school. Students can expect job position growth and wage increases with the addition of the technical skills taught in this course. The student will work on live applications, both student supplied and school owned. No driver's license or previous technical experience is necessary. Don't miss out on this opportunity to learn more about this exciting and profitable industry, as well as the chance to save money on vehicle repairs in the future. There are no fees required, however, students are expected to pay for fluids and maintenance items if working on their personal vehicle.

Vehicle Services is now a **National Automotive Technician's Education Foundation** (NATEF) accredited vehicle repair program. The NATEF accreditation allows students the opportunity to articulate up to 25% off the cost of their technical college education. Finishing this year-long course and the Advanced Vehicle Service course the next year, students can earn ASE student certifications in the areas of brakes, suspension and steering, electricity and electronic components, and engine performance.

## Advanced Vehicle Services

7777 Advanced Vehicle Services A  
7778 Advanced Vehicle Services B  
7779 Advanced Vehicle Services C

Grade: 12  
Site: Rosemount High School  
Prerequisite: Vehicle Services A, B, and C  
Length: Two Periods, Full Year Recommended



The goal of Advanced Vehicle Services (AVS) is to train and prepare students for entry level employment in the automotive and truck repair industry. AVS is a continuation of Vehicle Services and the topics taught prepare students to earn four ASE Student Certifications. Students will be learning from ASE Master certified instructors. Students successfully completing AVS have the training to be employed in entry level technician positions. Additional education beyond high school is recommended to find continued success in the industry. There are no fees required for AVS, however, students are expected to pay for fluids and maintenance items if working on their personal vehicle.

During Trimester 1, we will be covering advanced vehicle drive train systems. This includes but is not limited to ABS brake systems, drive axle service, suspension and steering part replacement and rebuild, and wheel alignment.

Trimester 2, students will perform a complete engine rebuild with a final result of the engine running on a designated stand. Students are permitted but not required to supply their own engines and components.

In the 3rd trimester, we will delve deeper into modern day ignition and fuel system diagnosis and repair. Students will spend time analyzing computer scan diagnostic information. Students will also work with electrical circuits both trouble shooting and repairing faults. Late model testing equipment and vehicles will be provided.

This advanced level course is project-based, hand-on and detail orientated. The course requires successful completion of Vehicle Services A, B, and C as well as a self-motivated independent learner.

Vehicle Services is now a **National Automotive Technician's Education Foundation** (NATEF) accredited vehicle repair program. The NATEF accreditation allows students the opportunity to articulate up to 25% off the cost of their technical college education. Finishing this year-long course will allow students to earn ASE student certifications in the areas of brakes, suspension and steering, electricity and electronic components, and engine performance.





## Mentor Program: Partnerships with Professionals

Beyond the classroom, learning opportunities are boundless.

### **Mentor Program: Seminar**

Grade: 11, 12

Length: One Period, One Trimester/Quarter

Mentor Seminar is a college and career exploration course which gives students an advantage over their peers in preparing for the future. Students will identify personal interests and skills to guide them while exploring college options and researching career opportunities. Students will develop professional skills, including interviewing, networking and interpersonal communication. The opportunity to meet with a professional in a chosen career field brings the real world to the classroom. Students are strongly encouraged to enroll in Mentor Field Experience to complete the Mentor Program; however, students may take Mentor Seminar as a stand-alone course.

### **Mentor Program: Field Experience**

Grade: 11, 12

Prerequisite: Successful completion of Mentor Seminar and Mentor Program Coordinator Approval

Length: One or Two Periods, One or Two Trimesters/Quarters

Leave the classroom behind and enter into the professional's world to gain exposure in the career field of choice. The internship experience will follow a college model. Students will meet one time per week with instructors and peers and will be released from school to work with their career professionals. Students will select and design an individual project under the guidance of their mentor and instructor. This course requires a high level of student independence and responsibility. Students must provide their own transportation to their mentor site.







**DISTRICT196**  
One District. Infinite Possibilities.

## **School District 196 Administration and Staff**

### **SCHOOL BOARD**

Jackie Magnuson, Chairperson  
Cory Johnson, Vice Chairperson  
Sachin Isaacs, Clerk  
Art Coulson, Treasurer  
Joel Albright, Director  
Sakawdin Mohamed, Director  
Bianca Virnig, Director

### **ADMINISTRATION**

Mary M. Kreger, Superintendent

Drew Mons, Principal, Apple Valley High School  
Paulette Reikowski, Principal, Eagan High School  
Bruce Miller, Principal, Eastview High School  
Peter Roback, Principal, Rosemount High School  
Lauren Trainer, Principal, School of Environmental Studies

### **BUILDING CONTACTS**

Apple Valley High School, Pete Buesgens – 952-431-8211  
Eagan High School, Peter Zak – 651-683-6904  
Eastview High School, Jodi Hanson – 952-431-8912  
Rosemount High School, Drew Storley – 651-423-7510  
School of Environmental Studies, Lauren Trainer – 952-431-8750

### **DISTRICT OFFICE CONTACTS**

Director of Teaching & Learning, Steve Troen – 651-423-7884  
Federal & State Program Coordinator, Nandi Rieck – 651-423-7719  
Assistant to Program Coordinator, Mariann Scallon – 651-423-7724