

Robotic, Mechatronics & Digital Fabrication Academy

The North Vancouver School District is pleased to partner with Zen Maker Lab to offer Robotic, Mechatronics and Digital Fabrication Academy (RMD). Based in Science Technology, Engineering, Art, and Mathematics (STEAM), this Academy is for students in Grades 10-12. Students will engage in collaborative learning opportunities that require the use of innovative technology and problem-solving skills including programming, prototyping, testing and simulation in a “hands-on/ “maker” learning environment.

This academy is designed to broaden students’ experiences in Electrical Engineering, Computer Science, and Mechanical

Engineering interest and encourage their success in Applied Design, Skills and Technology pursuits.

Upon successful completion, students will receive a B.C. Ministry of Education and Child Care grade-level credit for Robotics.

Location and Schedule

The RMD Academy will be located at Sutherland Secondary School and/or Zen Maker Lab’s Shipyards location.

The Robotics, Mechatronics & Digital Fabrication Academy occurs during off timetable once a week after school. It is offered in a linear model.

Who can Participate?

The RMD Academy is open to students in Grades 9 to 12.



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Program Information

Fees

The total cost* for the RMD Academy is **\$2,297.55** for the 2025-26 school year.

Deposit: To confirm a student's registration and secure placement in the Academy for the 2025-26 school year, a deposit of 10% is required by the deadline stated in acceptance letters.

Please Note: Non-payment by the deadline will result in automatic withdrawal from the Academy.

Remaining Fee: Parents/guardians may pay the remaining balance in full or set up instalments any time between the offer of acceptance and August 2025 through School Cash Online.

Please Note: Failure to pay the balance in full or set up instalments by the deadline will result in automatic withdrawal from the Academy.

A limited number of bursaries are available for this Academy.

Selection for RMD

- Priority 1: Returning students
- Priority 2: Wait-listed students from the previous year
- Priority 3: Lottery for remaining students per Board Policy 605: Admission of Students to Schools

The total number of spots available will be dependent upon the number of returning students, the number of applications received, and the ability of schools to organize the school timetable to meet enrolment and programming requirements.

Ready to Apply?

New and returning academy students must complete the online application. Application link can be found on the SD44 Academy Website. Applications will be accepted from January 16, 2025 to March 6th, 2025.

Questions?

If you have questions about our Robotic, Mechatronics & Digital Fabrication Academy, please contact academies@sd44.ca.



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