



STEAM @ND

Science, Technology, Engineering, Arts and Math for today's learner

WHAT IS STEAM?

Science, Technology,
Engineering, the Arts, and
Mathematics

What is important about engineering?



WHAT IS DIFFERENT ABOUT STEAM?

ENGINEERING: the action of working artfully to solve real world problems.

01

Inquiry-Based

03

Interdisciplinary - work with upper year SHSM students

02

Focused on the Engineering Design Process

04

Collaborative

real world applications



WHO IS A STEAM STUDENT?

Naturally curious and eager to explore.

Thrives in teamwork, values collaboration

Effective communicator

Embraces challenges and personal growth view

Demonstrates effective time management skills



WHY STEAM?



01

Think Critically and Solve Complex Problems

The program prepares students to tackle real-world challenges with confidence and creativity.

WHY STEAM?



02



Innovate and Create

STEAM nurtures students' natural curiosity and imagination. The program fosters an entrepreneurial mindset, vital in today's rapidly evolving world.

WHY STEAM?



03

Become Lifelong Learners

Students develop adaptability and resilience that drive continuous personal growth.

WHY STEAM?



04

Meaningful and Authentic Learning Experiences

By engaging in real-world projects, students develop a portfolio of skills and experiences that make learning relevant and exciting.



WHY STEAM?

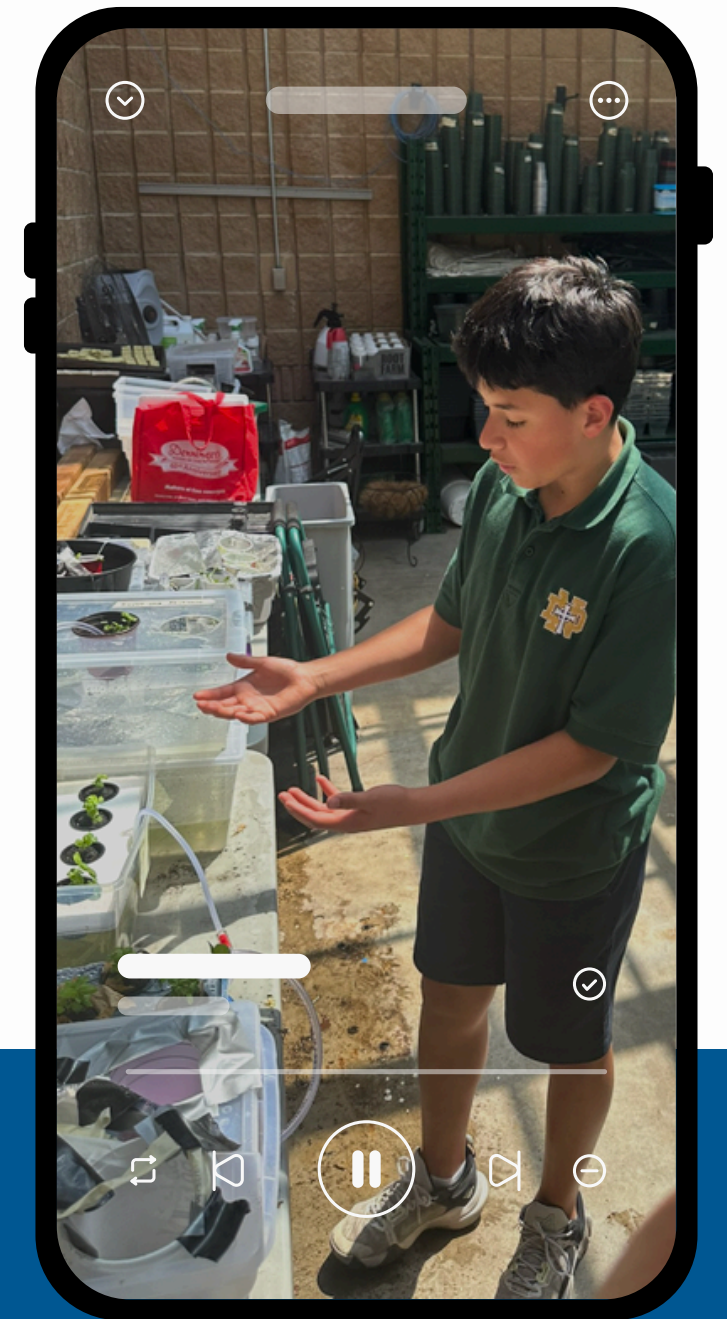


05

Collaborate Effectively

By developing strong teamwork skills, students enhance communication abilities and learn to value and leverage different perspectives and strengths.

WHY STEAM?



06

Develop Leadership Potential

Students build decision-making skills that cultivate confidence and initiative-taking abilities.

WHY STEAM?



07

Make a Positive Impact

Students explore complex global issues and develop a sense of social responsibility.

WHY STEAM?



08

Be Prepared for Future Careers

Students will develop skills that open doors to success in any field they decide to explore.

WHAT DOES STEAM LOOK LIKE AT ND?



Grade 9

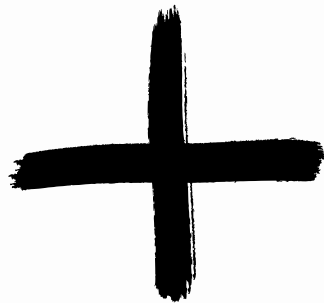
STEAM Science
STEAM Math
STEAM Tech
English
Religion
French (immersion/extended)
Geography
Elective

+ **STEAM Wednesdays**

+ **SHSM**
EXPERIENCE

Grade 10

STEAM Science
STEAM Math
English
Religion
Civics/Careers
History
Elective
Elective

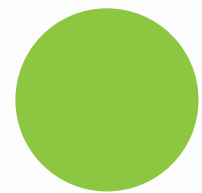


Interdisciplinary
Think
Tank
Task

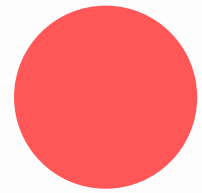
IT³



GR. 9 STEAM SCHEDULE



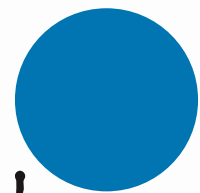
Science



Mathematics



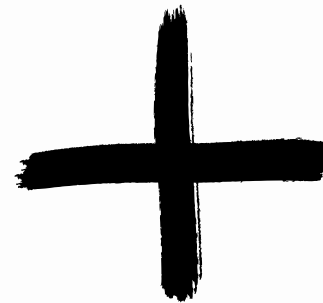
Full year Cohorted



Technological Design



Semester Cohorted



English



Religion



French



Geography



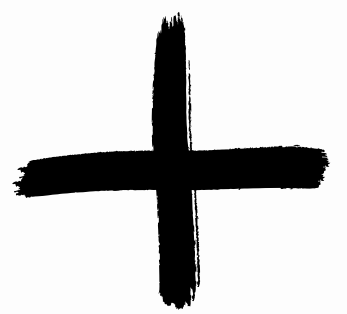
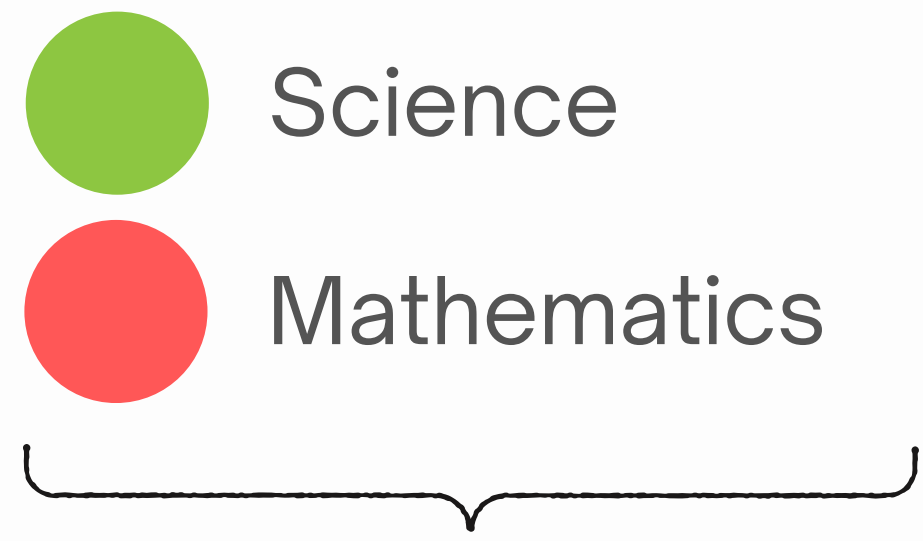
1 Elective

+ **STEAM Wednesdays**

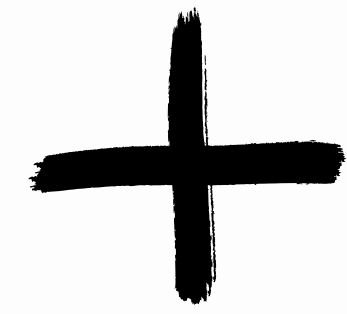
+ **SHSM**
EXPERIENCE



GR. 10 STEAM SCHEDULE



- ✓ English
- ✓ Religion
- ✓ French
- ✓ History
- ✓ 2 Electives



Interdisciplinary
Think
Tank
Task

IT³

+ **STEAM Wednesdays**

+ **SHSM**
EXPERIENCE



IT³

A final, culminating project at the end of Grade 10 STEAM that requires students to work collaboratively using an interdisciplinary approach to develop the critical thinking, research, collaboration, time management, and presentation skills students need in the upper grades and the real world.

+ SHSM
EXPERIENCE



AFTER STEAM



SHSM

Specialist High Skills Major

Bundled courses to allow students to focus their learning on a specific economic sector.

Arts and Culture SHSM

Business Leadership SHSM

Manufacturing Technology SHSM

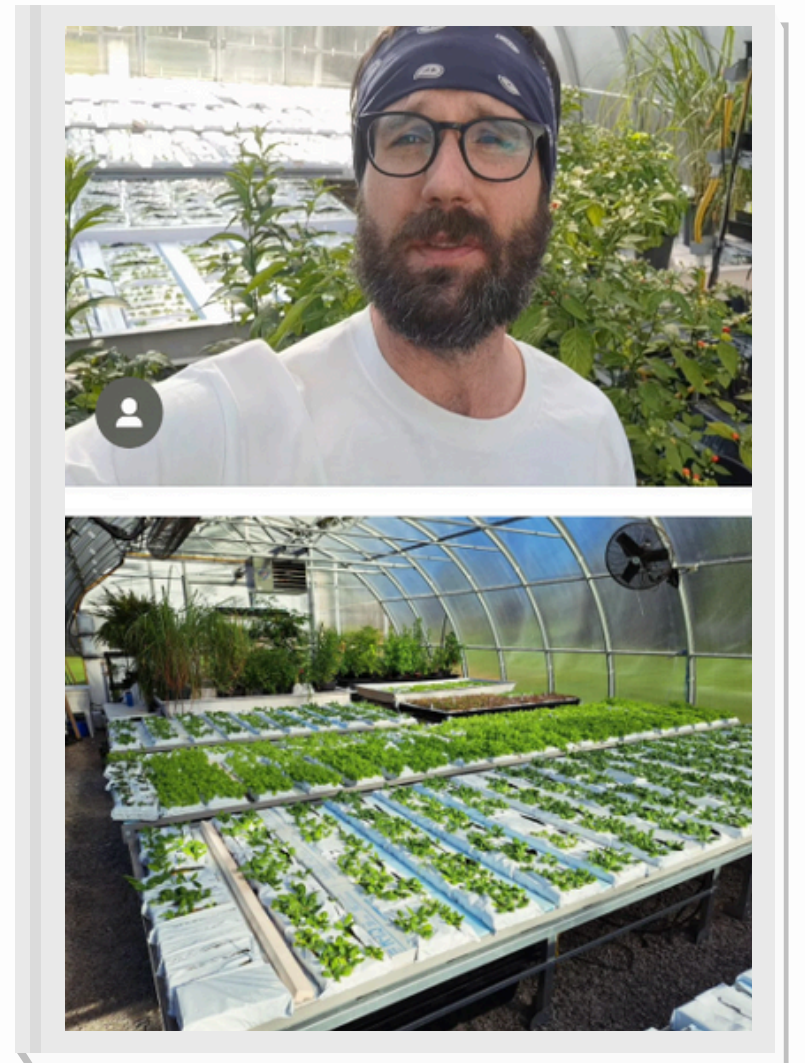
Green Industries SHSM

Computer Science SHSM

Non-Profit/Education SHSM

available at Notre Dame

COMMUNITY CONNECTIONS



STEAM fosters strong community connections by engaging students in real-world projects that address local challenges, encouraging collaboration with businesses, organizations, and mentors to create meaningful impact.

WHO CAN APPLY TO STEAM?



Open to All Interested Grade 8 Students

Any Grade 8 student with an interest in STEAM is encouraged to apply.

Ideal Candidates

We seek students who exhibit the key characteristics discussed previously:

- Curiosity and inquisitiveness
- Collaborative teamwork skills
- Resilience in problem-solving
- Motivation and passion for learning
- Strong time management abilities
- Demonstrated strong learning skills, as reflected in their report cards

78 SPOTS

COURSE SELECTION

Students will select their Grade 9 courses as usual, independent of the STEAM program.


If they are accepted into the STEAM program, their schedule will be modified by guidance counsellors.

Extended French and French Immersion bundles remain available options.



myBlueprint

APPLICATION PROCESS

- 01 Notre Dame STEAM Application (available on the ND website **Nov. 17**).
 - 02 Upload Grade 7 June 2025 Ontario Report Card.
 - 03 If registering from a public or private school, also complete the online student registration (found on the Notre Dame website) **FIRST**.
 - 04 Program acceptances sent to prospective students in early 2026.
 - 05 Payment of \$150 Program Fee on School Cash Online upon confirmation of acceptance into the program.
- 

*Please submit the **STEAM Application** by **December 5, 2025***

ACCESSING THE APPLICATION NOV. 17

<https://secondary.hcdsb.org/notredame/>



NOTRE DAME
CATHOLIC SECONDARY SCHOOL

STUDENT EXPERIENCE **ACADEMICS** STEAM PARENTS NEWS & EVENTS OUR SCHOOL CONTACT

Student Services	Programs	Resources
Grade 8 Information	Grade 9 STEAM Program FAQ	Library
Course Selection	Grade 9 STEAM Program Application	Student Online Access
Community Service	Departments	myBlueprint Education Planner
Information by Grade	Pathways and Specialty Programs	Pathways Planner
Graduation Information	OYAP	Academic Support
Post Secondary Application Information	Dual Credit	Remote Learner Tech Support
Scholarship Information	Specialist High Skills Majors (SHSM)	
Student Information System	Extended French & French Immersion	
	Summer School and Night School	

*Please submit the **STEAM Application** by **December 5, 2025***

STEAM PROGRAM FEE

\$150 program fee (\$50 non-refundable should a student withdraw after confirming acceptance) to subsidize project materials and student opportunities.

SELECTION PROCESS

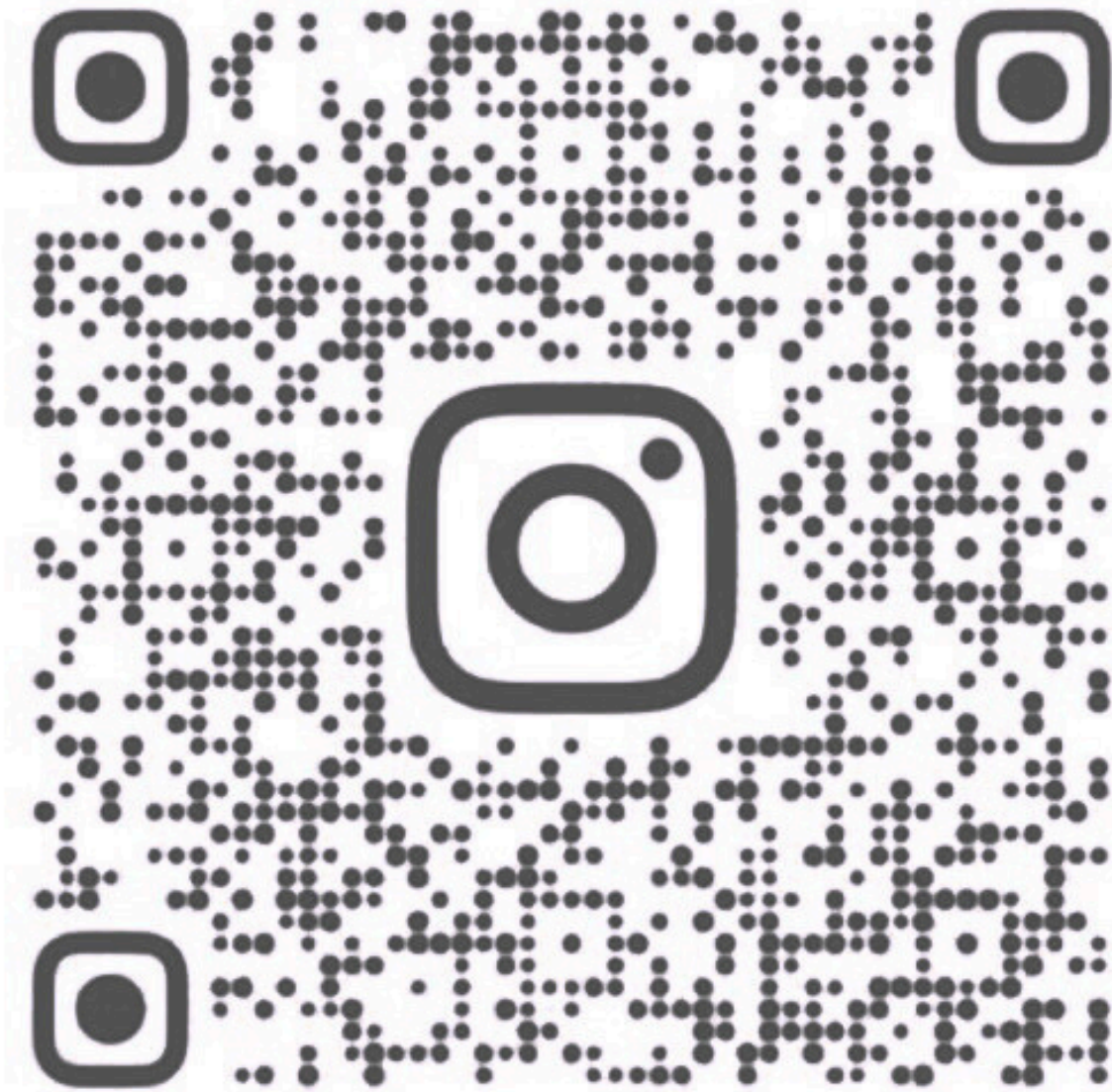
Applications will be reviewed by the selection committee, comprised of STEAM teachers and administrators.

*Please submit the **STEAM Application** by **December 5, 2025***



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S T E A M

AT NOTRE DAME

SCIENCE | TECHNOLOGY | ENGINEERING | ART | MATHEMATICS

