

STEAM ACADEMY

GIBBONS SCHOOL
2022-2023

**IGNITE THE
IMAGINATION**



PROGRAM OVERVIEW

2022-2023



FOR THE FUTURE

Challenge-based learning with real-world, globally relevant applications, S.T.E.A.M. (Science, Technology, Engineering, Art & Mathematics) Academy gives students learning opportunities and specialized instruction to prepare for the challenges of the future.

GOALS

- Provide students with specialized instruction to develop essential skills
- Develop a long-lasting interest for innovation and creative problem-solving utilizing the 4 Cs:
 - Communication
 - Critical Thinking
 - Collaboration
 - Creativity
- Increase self-esteem and confidence with new skills and platforms to showcase projects.
- Begin developing an individual portfolio of projects and leadership opportunities.
- Acquire proficiency in a multitude of technologies and makerspace components.

REQUIREMENTS

- Have good academic standing and proven ability to maintain their academic potential.
- Be highly motivated, disciplined, dedicated, and coachable with a commitment to improvement of skills.

ACTIVITIES

3D Printing
Animation
Augmented Reality
Coding
Digital Citizenship
Green Screen
Leadership
Robotics
Websites
Drone Challenges
Video Creation

POTENTIAL OFF-SITE ADVENTURES

- Sturgeon Composite High School, NAIT, and U of A (Let's Talk Science, DiscoverE, etc.)
- Makerspace at Edmonton Public Library
- Skills Canada Events
- Virtual Field Trips (3M, Space Station, etc.)

FEES

Register by semester. T1 or T2 is necessary to register for T3 (STEAM Competition/Games).

\$100/term for elementary, \$125/term for junior high



SCIENCE
TECHNOLOGY
ENGINEERING
ARTS
MATH

