

# THE ENVISION EXPERIENCE

leading provider of experiential career & leadership programs

since **1985** accredited programs



**800,000+** students



**19** programs from **149** different countries

## NYLF Explore STEM 2020

former **NASA** astronaut guest speaker



**21** six-day programs

**11** national locations

EDUCATIONAL FACILITIES
LOYOLA UNIVERSITY
ST. JOHN'S UNIVERSITY
WAKE FOREST UNIVERSITY
BABSON COLLEGE
VILLANOVA UNIVERSITY
EMORY UNIVERSITY
OCCIDENTAL COLLEGE
BOWLING GREEN STATE
UNIVERSITY OF DENVER
UT DALLAS
UC BERKELEY





# NYLF Explore STEM

## Who is Envision?

Envision provides academic programs in numerous categories, including STEM, medicine, law, government and leadership, business administration, entrepreneurialism, culinary arts, engineering, and aerospace. Programs are typically held during summer (May-August) in many cities across the United States as well as China, Australia, South Africa, and New Zealand.

Envision's programs are developed by educators and subject-matter professionals and are accredited by the International Association for Continuing Education and Training (IACET) and the Southern Association of Colleges and Schools Council on Accreditation and School Improvement (SACS CASI).

Using innovative tools and techniques, our activities mirror real-world challenges and facilitate critical thinking and communication among the groups. Envision Advisors are trained teachers and subject-matter experts who love making a real impact—so much so that they come back year after year. To date, over 800,000 exceptional students have benefited from the transformational experiences Envision programs provide.

Envision programs are innovative, safe, fun, empowering, and enable students to:

Discover Their Passion

Explore a Career

Realize Their Dreams

More information about Envision can be found at [EnvisionExperience.com](http://EnvisionExperience.com)

## What is NYLF Explore STEM?

Virtually all career fields do or will require a solid foundation in STEM. NYLF Explore STEM provides bright, forward-thinking middle school students in grades 6-8 with exposure to the STEM opportunities. With a simulated “Mission to Mars” preparation serving as the backdrop, students gain hands-on experience in four distinct and exciting STEM strands:

<b>Civil Engineering</b>	Working to overcome the harsh Martian climate, students test their civil engineering skills as they use CAD software to design a habitat capable of sustaining human life.
<b>Robotic Programming</b>	By designing and programming a Mars rover, students utilize the latest robotic tools, theories, and techniques. Students will learn how to code a robot capable of moving with precision, avoiding obstacles, and acting upon command.
<b>Medicine</b>	Students experience a realistic wilderness medicine simulation that was created in collaboration with professors from the Stanford University School of Medicine's Department of Emergency Medicine.
<b>Forensic Science</b>	Students attempt to crack a case and process a staged crime scene by using proper investigative techniques, including measuring blood drops, dusting for prints, recording evidence, and applying their analytical skills.

Students acquire STEM, problem-solving, and presentation skills in the strands, and then apply those to Galaxy Labs, which allow them to take a deeper dive into their favorite strand. NYLF Explore STEM is an opportunity for students to learn by doing, gain essential life skills, and make friends with like-minded peers.

## Why should I or my child attend this program?

It is no secret that the world is changing. Due to rapid advancements in technology and automation, the jobs of yesterday are no longer the jobs of today, and the jobs of today are unlikely to be the jobs of tomorrow.

We are already seeing the educational impact of this technological shift. While diplomas and degrees served their holders so well in the past, more and more they are being seen as insufficient by many employers because students are taught theory but not practice.

Founded on a 21<sup>st</sup>-century curriculum and learning techniques, NYLF Explore STEM provides students with hands-on learning opportunities that challenge them to think in new ways and helps them establish and grow the life-ready skills that will allow them to succeed in our ever-evolving world, all in an engaging and exhilarating atmosphere.

“NYLF Explore STEM increased my daughter’s confidence by meeting girls who had the same interests and shared the same experiences. She made so many new friends!”

- Sherry U, Mother of NYLF Explore STEM Alumna

“The program really helped me boost my self-confidence and it really helped bring me out of my shell with public speaking. I got a better idea of the career fields in engineering and it gave me a sense of what I would do as an engineer, it sparked my interests.”

- Hope S, NYLF Explore STEM Alumna

## How much does it cost to attend NYLF Explore STEM?

A number of factors determine the pricing of our programs, including location, length of program, and complexity of curriculum. For NYLF Explore STEM, tuition starts at \$1,995, and we have payment plans available. More information on the cost of attending the program can be found at [NYLFstem.com/info](http://NYLFstem.com/info)

To ensure that more students have the opportunity to attend our programs, Envision does offer a limited number of scholarships based on financial need, scholastic merit, and leadership achievement. Submission of a scholarship application is required to be considered for an award.