Design & Prototyping Competitions Inspired by ESPORT

PLUS The iNSL iRacing T.E.A.M.S. Racing Series

Level UP Your Gaming Program with Esports Design & Prototyping Competitions

Data driven gamers and data-driven non-gamers are invited to compete or showcase in the International STEM League's T.E.A.M.S. Academic Season.
Technology, communication skills and design thinking help teams practice data driven gaming, prototyping & entrepreneurship.

Add students to your digital classroom and "log in to get hands on."

You'll find easy-to-follow resources for a variety of projects.
DATA DRIVEN

Did you know that girls who game are 3.3 times more likely to pursue STEM career paths?

The number of schools with accredited Varsity tennis teams is now equal to schools with Esports teams!

180 Schools now offer college scholarships for gaming!
Compete in the points race. Showcase in the Metaverse. Go head-to-head in the Esports Lounge at NSBE Annual Convention in Atlanta!
1. Form a team (any size).
2. Choose a challenge (3 options).
3. Learn online. Then prototype!
4. Race or game with data.
5. Climb the points leaderboards.
6. Compete at NSBE Finals!
Choose 1 Path (or 2 or 3)

GAMING TOWARD
SYSTEMS ENGINEERING

Innovation Challenge
Racing Sim Rigs or Gaming Peripherals!

PLUS

iRacing Track Series

GAMING TOWARD
DIGITAL PATHWAYS

Data Certificate + Dashboard Challenge
OR
Drone Gates Showcase
Electronics & Prototyping
OPTION 1:

SYSTEMS ENGINEERING
Design Sim Rigs or Gaming Peripherals

Create a Tabletop Setup

Focus on Peripherals with an Optical Mouse Build
Use cardboard prototyping to design and construct just the tabletop wheel and pedal that will hold your electronics.

Focus on Peripherals with Arduino and Coding
Follow one of our diagrams or design your own layout using curriculum in the program.

Or... Focus on Peripherals with Arduino and Coding

Or... Design a Traveling Showpiece
Download software and calibrate your tabletop wheel and pedal setup to steer & stop.

Develop a Full Sim Rig

Keep Rig Design Simple
iRacing is a PC-based simulated racing platform.

OPTION 1:

1. Design & Prototype a Custom Racing Station
   - Tabletop Wheel & Pedal or Full Custom Sim Rig

2. Race on Sim Tracks
   - Master performance using pre-made wheel-and-pedal.

3. Add Graphics & Sponsors to Your Vehicle
OPTION 1: Track Series

- **Log in to learn and race!**
  - Practice anytime on private tracks.
  - Join optional Saturday group practices.

- **Earn time attack points anytime.**
  - Document data driven performance.
  - Enter your team’s top 3 scores!

- **Compete**
  - in LIVE streaming events (Feb-Mar)!
  - at NSBE ATL Convention Esport Lounge!

**INCLUDES**

- 12 iRacing Annual Licenses
- Electronics & Cardboard Prototyping Materials for Wheel & Pedal Set
- Digital Classrooms
- Suggested Agendas
OPTION 2: Dashboard Challenge

Take the Data Analyst Course. Earn a Certificate & Compete!

No coding
No kidding.
AI does that part for you.

Learn to love data now, then level up with coding later.
Compete for prizes & remote internships with Eisengard AI.

Turn the project created during this course into a showstopper dashboard survey app & COMPETE.

- Earn an industry certificate!
- Join the developers’ community!
- Compete for remote internships.
- Apply to become a paid developer!
- Build a college fund!
Design and Prototype Electronic Drone Gates

Gates are incorporated into tracks to mark passage and record speeds.

- Electronics record passage of the drone through each gate.
- Measure the drone’s speed with electronics! (Micro:Bits, Arduino, etc.)

**OPTION 3: DRONE GATES**

1. Lift off & fly through gates.
2. Capture data.
3. Land safely.
4. Earn awards & certificates.

SHOWCASE Drone Gates at NSBE ATL 2024!
All T.E.A.M.S. Competitors Can Earn Points for...

- learning new skills
- graphic design
- presentations
- projects & prototyping
- gaming investigations

How do you win?

iNSL iRacing Track Competitors

Earn points for all of the above PLUS

Compete in 5 Live Streamed Races in Feb-March for Prizes, Trophies & Awards
Take the NSBE Survey to see the Data Analytics Course in Action.

Get Started at

iNSL.org/NSBE