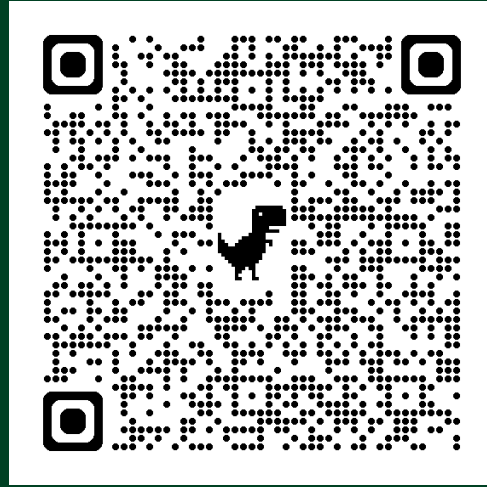


Incoming Freshmen and Parents Welcome Night 2026

Computer science is the engine that powers the technology, productivity, and innovation that drives the world.

Kasthuri Sakthikumar
sakthikumarK@issaquah.wednet.edu

Peter(Max) Brown
brownp3@issaquah.wednet.edu



For Today

- About Us
- CS Courses progression pathway/overview
- Clubs
 - Robotics
 - Technovation
 - TSA
 - Competitive coding
 -Got an idea for a club? Start one!

Computer Science Teachers

- [Max Brown](#) – AP CSP
- [Kasthuri Sakthikumar](#) – IB Comp Sci SL/HL
- And other CTE Teachers!



 SEMESTER-LONG COURSES

-  Introduction to Computer Science
-  Introduction to Computer Science (Python)
-  Website Design



 AP Computer Science Principles

Year-long

 *Prior programming experience in middle school (recommended)



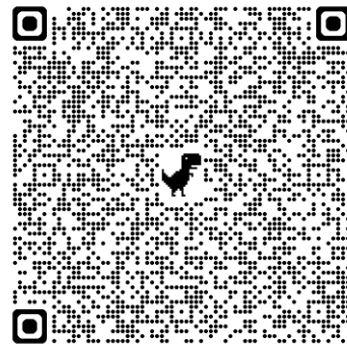
 Cybersecurity **10th-12th**

 Video Game Design with Unity & C# **10th-12th**

 IB Computer Science SL **11th/12th**



 IB Computer Science HL **12th**



Intro CS



- Semester long, open to 9-12th grades
- No prior coding experience necessary
- Visual based block coding
- Opportunities for algorithmic/logical thinking
- Eligible for dual credit (college credit)

Intro CS Python Essentials



- Semester long, open to 9-12th grades
- Eligible for dual credit (college credit)
- No prior coding experience necessary but it helps to be good with algebraic/logical thinking.
- Good transition from block based to text-based coding

Web Design

- Semester long, open to 9-12th grades
- Eligible for dual credit (college credit)
- No prior coding experience necessary
- HTML/CSS coding
- Focuses on visual design, presentation
- Opportunity to earn certiport certification



AP CS Principles



AP

- Year long, open to 9-12th grades
- Computational Solution Design, Algorithms and Program Development, Abstraction, responsible computing
- No prior coding experience necessary, thrive well with prior experience
- Opportunity to earn dual credit, AP credit

Video Game Design with Unity and C#



- Year long, open to 10th-12th grades
- Eligible for dual credit (college credit)
- C# programming, software development projects, teamwork
- Opportunity to earn Unity programmer certification

Cybersecurity

- Year long, open to 10th-12th grades
- Eligible for dual credit (college credit)
- Problem based learning, role-play, train as cybersecurity experts
- Opportunity to earn Certiport Cybersecurity certification



IB Comp Sci course – 11th/12th grades only

- Draws on a wide spectrum of knowledge
- Enables and empowers innovation, exploration and the acquisition of further knowledge
- Content includes AI/Machine Learning, Databases, computer organization, networks and computational thinking, problem solving and programming(focus: object-oriented)
- Advanced topics: abstract data structures, resource management, control systems and case study
- Dual credit eligible, IB exams score of 4-7 earns college credit
- Opportunity to earn Certiport IT specialist in Java(HL) and Computational Thinking(SL) certification



Skyline Technology Clubs 2025

- Opportunities to enrich classroom learning
- Build leadership skills
- Teamwork
- Competitive skills
- Community building
- Fundraising

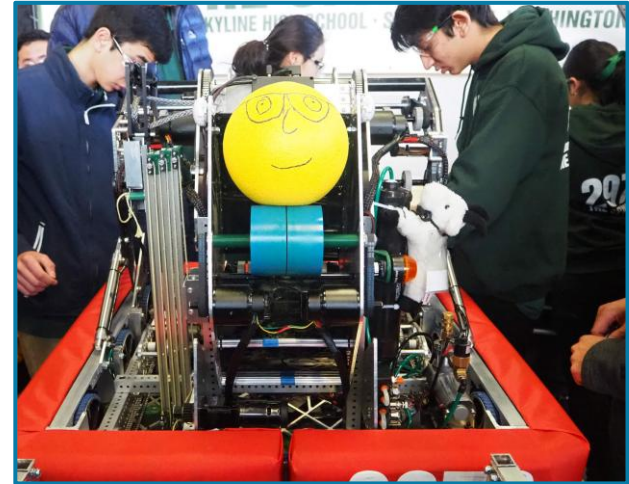


THE SPARTABOTS

Team **2976** **AIM HIGH** 



- Competition for high school robotics teams
- Run by FIRST, who hosts robotics competitions for students grades 3 - 12
- Spend approximately 6 weeks, from Jan - Feb annually in build season, building our competition robot
- Design, fabricate, code, and test the robot
- Typical robot cost: \$10,000
- 2018 World Champions, 2019 Division Finalists
- Reach the club at: skyline.spartabots@gmail.com
- [Video Link](#)
- <https://www.firstinspires.org/robotics/frc>



TECHNOVATION

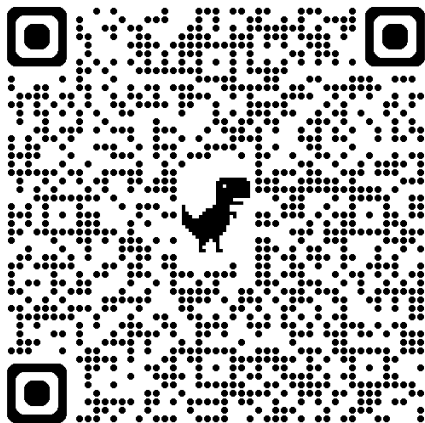
- <https://technovationchallenge.org/>
- Technovation is a technology and entrepreneurship program that aims to bridge the gender gap in the technology sector by providing girls and non-binary people with the skills, confidence, and opportunities to pursue careers in STEM fields.
- Club focuses on technical skills, entrepreneurship and leadership qualities.
- Hosts technology leadership guest speaker series
- By the end of the year, you will have all the tools and resources you need to build and advertise a sustainability-centered mobile application.



Skyline TSA competition opportunities

- Coding
- Tech Bowl
- CAD
- VEX Robotics
- Software Development
- Data Science
- Game Design
- Webmaster
- Forensics
- Prepared Presentation
- Leadership opportunities
- [State/National level competitions](#)





Q&A