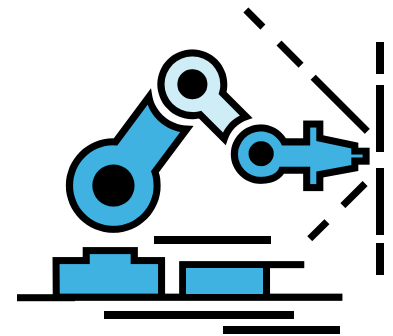




# Garfield Computer Science

- **Clubs & Competitions**
- **Great Vocational Education Classes, too!**



[www.garfieldcs.com](http://www.garfieldcs.com)

# Why Computer Science?



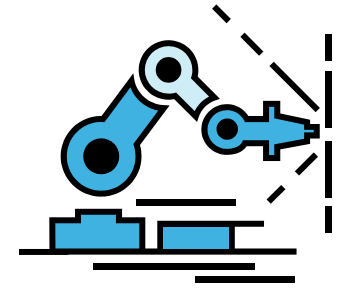
- It is everywhere – we all use computers.
- Computer tools are used by most every discipline from Music to Bio-Medical research, Visual Arts to Mathematics, Automotive to Video Game Design.
- **Great Vocational Education class Match to Math & Science Classes**
- Innovations to make a better world!
- It's fun and creative!

# Our Garfield CS Clubs



- **Women in Technology:** meets at lunch every Monday in 115a to discuss relevant technical innovation and the expanding opportunities for women in the technical field.
- **Programming Club:** meets Wednesdays & Thursdays after school in 115 to share ideas for new projects, review latest languages and help each other enjoy programming.

# Our Garfield CS Clubs



- **Robotics Club:** meets most Thursdays and as needed to refine the design on our “Dawgbot” Robot. Spring Hot Air Balloon Project!
- **Go Dawgbots!**



# Great Vocational Ed Classes, too!

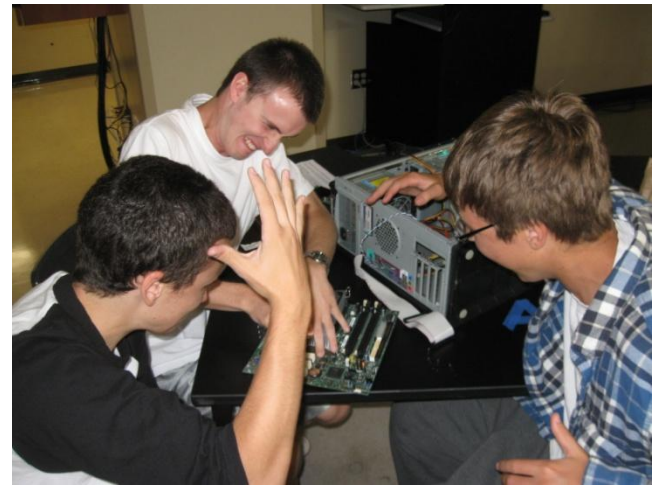
- Exploring Computer Science
  - Explores a variety of computer technologies
- Introduction to Computer Science
  - Creative Programming
- Advanced Placement Computer Science
  - AP class in Java programming, no experience required (full year class)
- Projects in Computer Science I & II
  - After APCS, build your own projects in small teams

You can START in any of these, except Projects in CS.



# Exploring Computer Science

- One semester class
- Everyone is welcome, no prerequisite
- Explore:
  - Computer Hardware
  - Internet & Web Design
  - Programming in Scratch
  - Online Safety
  - CS in your future career



# Introduction to Compute Science (Creative Computing)

- One semester
- Requires Algebra I
- Programming in Scratch and Python
- Apply coding to make creative projects
- Program Scribbler Robots
- Project-driven



# AP Computer Science



- Requires Algebra I & an aptitude for logic thinking, no prior programming needed.
- Full year class with AP exam in early May
- Fast-paced class learning Java Programming
- Lots of labs & project design
- Success on AP exam earns credit at many colleges
- Independent project after the AP Exam



# Projects in CS (I & II)

- One or two semester sequence (I & II)
- Requires AP CS and self drive
- Create projects of your own choosing in small teams
- Explore other languages and development environments
- Learn industry project design techniques



Want to Learn More?

go to...



[www.garfieldcs.com](http://www.garfieldcs.com)

**Garfield** Computer Science

Or stop by room 115a,  
the computer science lab,  
and talk to Mr. Bergquist