



2023 – 2024 PROGRAMMING CLUB

Introduction

Begin a fun and educational journey that will teach you amazing concepts and skills in programming. The principles taught are designed to help you develop a passion for and strong interest in computer science. The Programming Club will introduce students to key concepts that involve programming, problem solving, and logic, developing student interest in STEM goals and objectives. Students who participate in this club will have the opportunity to develop important lifelong skills and critical thinking while having a great deal of fun!

Curriculum:

Students will have the opportunity to play with coding robots such as the botly 2.0, bee-bots, and blue-bots to learn programming logic. Once students become familiar with programming logic, they will be introduced to tools such as code.org and unplugged activities where they will work with block and directional programming in a fun and interactive way.

Participants will have an opportunity to learn:

- Programming Logic
- Directional Programming
- Block Programming

Fee & Costs: \$225 one-time fee

Additional Club Details:

For more information, visit: <https://studio.code.org/s/pre-express-2023>

Kindergarten – 2nd Grade



Teacher: Mrs. Macy Ward

Schedule: Thursday 3:40 PM – 4:25 PM
September 7 - December 7

Location: PC Lab

Curriculum:

Learning Python will allow students to develop valuable problem-solving and logical thinking skills. They are encouraged to think critically about the impact of sharing information online and how to be more critical consumers of content. As an in-demand and widely used language, Python offers a starting point for kids to explore the world of coding. Python's wide variety of libraries makes creating applications and games fast and fun.

Participants will have an opportunity to learn:

- python

Fee & Costs: \$240 one-time fee

Additional Club Details:

Students will have the opportunity to work at their own pace with weekly progress check-ins by the teacher.

3rd – 5th Grade



Teacher: Mrs. Macy Ward

Schedule: Thursday 4:30 PM – 5:30 PM
September 7 - December 7

Location: PC Lab



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Curriculum:

Students will be introduced to code.org where they will be introduced to software engineering and object-oriented programming and design using the Java programming language. The curriculum covers a broad range of topics, including the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems.

Participants will have an opportunity to learn:

- Java

Fee & Costs:

- **\$255 one-time fee**

6th – 8th Grade



Teacher: Mrs. Macy Ward

Schedule: Thursday 4:30 PM – 5:30 PM
September 7 - December 7

Location: PC Lab

Additional Club Details:

Students will have the opportunity to work at their own pace with weekly progress check-ins by the teacher.

For more information, visit: <https://studio.code.org/s/csa1-2023>

Fee Policy:

- Fee will be billed to your invoice.
- **Non-Refundable, Non-Transferable and Non-Prorated.**
- **Includes** cost of all materials, tools, and facilities for team members.
- **Excludes** travel and competition costs if any apply.

Other:

- A **30-day notice** is required for any withdrawal or changes. All notices **must be e-mailed** to [Attendance](#)
- The school **DOES NOT** accept any verbal notice.
- **NO Classes** during Thanksgiving Break, Winter Break, President Week, Spring Break, Holidays or Special events.
- **NO-Make-up** Class unless the instructor re-schedules the class.

Contact:

- Programming Advisor [Mrs. Macy Ward](#)