As part of your summer coursework for AP Computer Science Principles, we are diving into Introduction to Event-Driven Programming and App Design. This unit is estimated to take 3 to 5 hours to complete and is packed with essential skills that will set a strong foundation for your journey in computer science.

Guide to Create a Student Account on Code.org

Creating a student account on Code.org is a straightforward process. Here's a step-by-step guide to help you get started:

- **Visit Code.org:**
  - Open your web browser and go to www.code.org.
- **Sign Up:**
  - Click on the "Sign In" button located at the top right corner of the homepage.
  - On the next screen, click on the "Create an account" link.
- **Join Class (GYNCHZ):**
  - You can join the class by entering the code in the "Join a class" field on your dashboard.

If you encounter any issues or need further assistance, Code.org provides support resources and FAQs that can be accessed from the "Help" section on their website.
Happy coding!

Unit Overview:

This self-paced module introduces foundational concepts of computer programming, which unlocks the ability to make rich, interactive apps. This unit uses JavaScript as the programming language, and App Lab as the programming environment to build apps, but the concepts learned in these lessons span all programming languages and tools.

- Key Skills You'll Develop:
  - **Debugging**: Learn techniques to identify and fix errors in your code, ensuring your programs run smoothly.
  - **Pair Programming**: Collaborate with classmates to solve problems, enhance your learning experience, and develop teamwork skills.
  - **User Testing**: Understand the importance of testing your applications with real users to gather feedback and improve usability.
- Tools and Project:
  - **App Lab**: Utilize this powerful tool to write event-driven programs and bring your app ideas to life.
  - **Project**: Design a project that not only showcases your programming skills but also educates your classmates on a topic of your choosing.

This unit is designed to be both engaging and challenging, providing you with the opportunity to create something meaningful while honing your technical skills. Please ensure you allocate sufficient time to complete the modules thoroughly, and don't hesitate to reach out if you have any questions or need support along the way.

Looking forward to seeing your innovative projects and the creativity you bring to app design!

In mercy,
Mrs. Fasano ’09 and Mrs. O’Neill