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# Hello Programming

## by Creative Technology Club

16 sessions, 1 hour each.  
Prior experience with programming is not required.

### Course Content

We will be using the “Processing” language from MIT. Processing is a simplified version of Java. The course is entirely project based. Content is based on software engineering, maths and physics, but the delivery is through games, animation and art projects!

The following complex topics will be explained in a simple way by doing fun projects:

- Computer Architecture
- Data Structures and Algorithms
- Object Oriented Programming
- Procedural Generation
- Particle Systems
- Animation with Maths (trigonometry, coordinate geometry, vectors and interpolation)
- Interactive Physics (spring systems, laws of motion etc.)

Children will understand advanced topics without being scared by unnecessary complexity.

### What will the students take away?

- An approachable introduction to University-level Computer Science.
- Exposure to these concepts means your child’s career in technology will start right away.
- Children will gain clarity with Maths and Physics concepts from their present and future syllabus.
- The final sessions will be all about documenting and presenting your work.
- Start building your resume and portfolio, so you can stand out in a competitive world.
- Students will take away the projects they make, to add to their resume and portfolio.
- Each student will be certified as a “Creative Technologist”

### Why this course?

Unique opportunity to learn from an industry expert. Shalin Shodhan has 15 years of experience in technology for films, games and education. In the US, Shalin worked on 6 Pixar films including 3 Oscar winners - Toy Story 3, Brave and Inside Out. At Electronic Arts, Shalin was on the core team for the game Spore which featured in the top 20 inventions of 2008 by Time Magazine. Shalin has a Masters Degree in Entertainment Technology from Carnegie Mellon. He is keen on training the next generation of Technology Wizards from Ahmedabad.

**For registration and details, call [9724373269](tel:9724373269)**