

American Embassy School

The American Embassy School in New Delhi, India offers an Introduction to Programming course, taught by IB/AP Computer Science teacher Anjana Jain, as a one semester elective to high school students. The class includes students from grade levels 9 through 12 who have had no prior programming experience. In this course, students gain an understanding of logical problem solving, organizing and sequencing commands to construct appropriate algorithms to solve problems. Logo is used as an introductory programming language because it is easy, interactive, intuitive with simple syntax and is a lot of fun. By the end of the course, students are expected to be able



- to write algorithms
- to use good programming style
- to use testing strategies
- to appreciate a modular approach to programming
- to use debugging techniques to fix logical errors



The American Embassy School has used *Terrapin Logo* in the introductory programming course for the past two years. According to Ms. Jain, “*Terrapin* has much to offer. They are great with updating the software, have material for students and teachers, and give fantastic technical support.”

Students in the course have been successful in making complex games using *Terrapin Logo* that have animation, keyboard controls, and many other aspects that the students term “cool stuff.” Every student was expected to make a plan for their game and then code and test. When they were finished, *Terrapin Logo* allowed them to make an executable file so their games could be shared with those who did not even have *Terrapin Logo* on their computers.

AES students are sharing their projects here on the [Terrapin](#) web site. Check out the Logo implementation of a classic [Tic Tac Toe game](#) by a Grade 9 student and the action-filled [Fly Escape game](#) developed by a Grade 12 student.

Contact Information

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Tags:

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Age:

Grades 9-12