INTRODUCTORY COMPUTER SCIENCE

Proceeds raise money for underprivileged students in India and Nepal!

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Prepare your child for a Data Driven Society!

In 1969 we landed on the moon using a computer capable of performing 1 million integer operations per second. Today, a modern charging cable can perform 48 times as many calculations per second. In an increasingly data-dependent society it's very valuable to prepare young students with basic digital numeracy..

Rohan is a graduate of UC Berkeley and is working for Bidya organization to teach a 15 week course directed at an intermediate high school student to teach fundamental computer science curriculum. The course is not affiliated with UC Berkeley but will draw on public material from an introductory UC Berkeley CS class (https://cs61a.org/) to best prepare students for a robust college-level experience. Students should expect 2 hours of lecture weekly and 2 hours of homework on the assigned topic for the week (below).

1. Functions Python Syntax	2. Function Currying/Abstraction	3. Application: Financial Modeling
4. Recursion	5. Game Theory	6. Object Oriented Programming
7. Trees/Lists/Dynamic Arrays	8. Polymorphism	9. Application: Board game AI
10. Iterators	11. Polymorphism	12. Functional Programming
13. SQL	14. Computer Ethics	15. Project Showcase

Bidya is an non profit organization that aims to provide funds to underprivileged students in India and Nepal, especially disadvantaged female students. 100% of your suggested donation of 10$/class * 15 classes = 150$ will go directly to such students. Bidya is able to set up trusts with as little as 1000 USD which can pay for the entirety of a student's K-12 education. With more funding we hope to also be able to support aspiring students through college. Please text us or email us if you have any more questions.

Learn more about Rohan

Learn more about Bidya/Register