

AP COMPUTER SCIENCE

What will we teach your child?






Parinama Academy

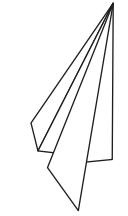


AP COMPUTER SCIENCE

PARINAMA ACADEMY BELT PROGRESSION

LEVEL 1	LEVEL 2	LEVEL 3
		
White Belt 1 3 Weeks White Belt 2 3 Weeks	Yellow Belt 1 3 Weeks Yellow Belt 2 3 Weeks	Green Belt 1 3 Weeks Green Belt 2 3 Weeks

Program Completion Time: 4 Month



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WHITE BELT 1 (3 WEEKS)



1. Collaboration, Program Function and Purpose
2. Program Design, Development, Identifying and Correcting Errors
3. Binary Numbers & Data Compression
4. Review/Assessment

LEVEL-1

WHITE BELT 2 (3 WEEKS)

1. Extracting Information from Data, Using Programs with Data
2. Variables , Assignments & Data Abstraction
3. Mathematical Expressions & Strings
4. Review/Assessment

YELLOW BELT 1 (3 WEEKS)



1. Boolean Expressions & Conditional
2. Nested Conditionals & Iteration
3. Developing Algorithms & Lists
4. Review/Assessment

LEVEL-2

YELLOW BELT 2 (3 WEEKS)

1. Binary Search & Calling Procedures
2. Developing Procedures & Libraries
3. Random Values & Simulations
4. Review/Assessment

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GREEN BELT 1 (3 WEEKS)

1. Algorithmic Efficiency & Undecidable Problems
2. The Internet & Fault Tolerance
3. Parallel and Distributed Computing
4. Review/Assessment



LEVEL-3

GREEN BELT 2 (3 WEEKS)

1. Beneficial and Harmful Effects & Digital Divide
2. Computing Bias & Crowdsourcing
3. Legal and Ethical Concerns & Safe Computing
4. Review/Assessment