







Topics - Drag and drop function, Sprite objects, Commands, Sequencing, Events, Time and Direction, Behaviour & Events, Sounds How it helps - Foundation in coding, Concept clarity, Block coding





Topics - Algorithm development, Location orientation, Debugging low it helps - Logic building, Code flow, Critical thinking





Topics - Comments, Loops, Operators, Declaration & Initiation of Variables, Conditionals How it helps - Game development, Code methodology, Structured codes









How it helps - Inquiry skills, Investigative mindset

 Ouizzes Class Summary

Practice Projects









Topics - APP design basics, APP design algorithm, Advanced programming patterns, Properties of UI components low it helps - Advanced concepts in coding. Importance of Design







How it helps - APP building, Code flow, Critical thinking







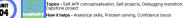
Topics - UI concepts, Basics of Javascript, Canvas, Colour selection







24 Project Classes 8 Pavision Classes Assessment



How it helps - Analytical skills, Problem solving, Confidence boost

Ouizzes



Class Summary Practice Projects

















How it helps - Advanced game development, Course project

Classes (Options) 32 Concent Classes

24 Project Classes

8 Revision Classes

- Assessment Topics - Complex loops, Multilevel games concept, Advanced debugging concepts, inter code communication, Capstone project Ouizzes

 - Class Summary How it helps - Empirical & Quantitative skills, Cognitive ability Practice Projects







Topics - APP Inventor interface, Designer block & Backend coding platform, Components of APPInventor

How it helps - Creativity, Innovative thinking, Develop Imagination Topics - Event based programming, Design basic UI/UX, Colour choices, Animation, Media & Sensors, Al Basics, Language translation





How it helps - Design thinking, Application of knowledge Fopics - Basics of databases, Data handling, CloudDB, Basics of irrebase, Multi page apps, Complex loops low it helps - Advanced app development, Technological skills







Topics - Usage of forms, Conditionals based on outcomes, APP design advanced concepts, Self design app - Capstone project How it helps - Project management, Time management

Assessment

Ouizzes

Class Summary Practice Projects







How it helps - Creativity, Innovative thinking, Develop Imagination

Topics - Intro to AI, Login forms, User authentication using DB query, Operands, Firebase DB



Topics - Camera and canvas Component integration. Al based apps on APP Inventor. ML based apps. Polishing user interface in an APP How it helps - Advanced app development, Technological skills







Topics - Advanced scratch concepts, Extensions in Scratch, Interactive How it helps - Application of knowledge, Analytical skills Topics - Designing a full fledged project using Scratch & APPInventor with project management techniques - Capstone project

How it helps - Project management, Time management

· 64 Classes (or) 32 Classes (Options)























Topics - Design basics, Logo/Poster design, Brand kit, Fonts & Colour choices. Presentation flow How it helps - Cognitive ability, Presentation skills, Creativity







Topics - Intro to CSS3, Multi page website design, Style attributes, UI/UX concepts

How it helps - Adaptability, Decision making







How it helps - Design thinking, Initiative, Imagination





Class Summary Practice Projects







Topics - Creation of your business idea, Documentation, Skills of an entrepreneur, 21st century skills, Reports format, Windows tools

low it helps - Adaptability, Leadership, Personal assessment Topics - Use of technology to build brand. Communication of your brand, Brand kit and collaterals, Brand identity, Marketing collaterals







Topics - Wordpress, Hosting a website, Plugins and Automation, Future of website design







- Classes (Options)
- 32 Concent Classes
- 24 Project Classes
- 8 Davision Classes
- Assessment













How it helps - Aptitude, Flexibility. Initiative



GRADE 8 CURRICULUM





Topics - Intro to Python, Datatypes and Variables, Block based coding vs text based coding, Operators & Operands, Control structures

How it helps - Technological skills. Problem solving. Analytical skills







Topics - Loops, Logical operators, Turtle module, GUI concepts of Tkinter, Tuples & Lists, Google collab editor How it helps - Problem solving, Creativity, Research attitude





Topics - Functions, Modules, Random, Application of Tkinter, Algorithm design for Game and APP development How it helps - Cognitive flexibility, Conceptual clarity





32 Concent Classes 24 Project Classes 8 Davision Classes















Topics - HTML + CSS, UI/UX concepts, Web pages design, Website lo as per brand kit

How it helps - Design thinking, Initiative, Imagination

Topics - Advanced CSS, Website design fundamentals. HTML forms. low it helps - Problem solving, Creativity, Research attitude







CSS libraries, Forms in HTML page and its How it helps - Technological skills, Scientific thinking







- 32 Concent Classes
- 24 Project Classes
- 8 Pavision Classes



















How it helps - Cognitive ability, Exploration mindset, Problem solving

 Ouizzes Class Summary Practice Projects



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