Whitehall-Coplay School District Syllabus

Course Title: Computer Science Discoveries Grade: 9, 10

DESCRIPTION OF COURSE: Computer Science Discoveries (CS Discoveries) is an introductory computer science course that empowers students to create authentic artifacts and engage with computer science as a medium for creativity, communication, problem solving, and fun.

REQUIRED TOPICS OF STUDY	SUGGESTED INSTRUCTIONAL TIME	STANDARDS/ELIGIBLE CONTENT
Unit 1 - Problem Solving	2 Weeks	CC.3.5.9-10.A, CC.3.5.11-12.A, CC.3.6.9-10.B, CC.3.6.11-12.B, CC.3.6.9-10.C, CC.3.6.11-12.C, CC.3.6.9-10.E, CC.3.6.11-12.E, 15.4.12.G, 15.4.12.H
Unit 2 - Web Development	3 Weeks	CC.3.5.9-10.A, CC.3.5.11-12.A, CC.3.6.9-10.B, CC.3.6.11-12.B, CC.3.6.9-10.C, CC.3.6.11-12.C, CC.3.6.9-10.E, CC.3.6.11-12.E, 15.4.12.G, 15.4.12.H
Unit 3 - Animations and Games	3 Weeks	CC.3.5.9-10.A, CC.3.5.11-12.A, CC.3.6.9-10.B, CC.3.6.11-12.B, CC.3.6.9-10.C, CC.3.6.11-12.C, CC.3.6.9-10.E, CC.3.6.11-12.E, 15.4.12.G, 15.4.12.H
Unit 4 - The Design Process	3 Weeks	CC.3.5.9-10.A, CC.3.5.11-12.A, CC.3.6.9-10.B, CC.3.6.11-12.B, CC.3.6.9-10.C, CC.3.6.11-12.C, CC.3.6.9-10.E, CC.3.6.11-12.E, 15.4.12.G, 15.4.12.H
Unit 5 - Data and Society	3 Weeks	CC.3.5.9-10.A, CC.3.5.11-12.A, CC.3.6.9-10.B, CC.3.6.11-12.B, CC.3.6.9-10.C, CC.3.6.11-12.C, CC.3.6.9-10.E, CC.3.6.11-12.E, 15.4.12.G, 15.4.12.H
Unit 6 - Physical Computing	3 Weeks	CC.3.5.9-10.A, CC.3.5.11-12.A, CC.3.6.9-10.B, CC.3.6.11-12.B, CC.3.6.9-10.C, CC.3.6.11-12.C, CC.3.6.9-10.E, CC.3.6.11-12.E, 15.4.12.G, 15.4.12.H

RESOURCES: Software: Google Classroom; Code.org

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