

# Whitehall-Coplay SD Syllabus

**Course Title:** Discovery

**Grade:** K

**DESCRIPTION OF COURSE:** The teacher would provide an integrated cross-curricular learning experience for all K-1 students in a flexible learning classroom that supports creativity, collaboration, critical thinking, and communication through the implementation of project-based learning.

**STANDARDS:** The program is aligned to the standards from Math, Science, ELA and the International Society for Technology Education (ISTE)

Discovery is a STEM (Science, Technology, Engineering, and Mathematics) class for every K-1 elementary student in the Whitehall Coplay School District. Students will experience the Discovery (STEM) class once a cycle for 40 minutes. During this time, the students focus on improving their 4Cs (Communication, Collaboration, Critical Thinking, and Creation) through hands-on investigations and activities.

REQUIRED TOPICS OF STUDY	SUGGESTED INSTRUCTIONAL TIME	STANDARDS/ ELIGIBLE CONTENT
Computer Basics	9 Weeks	1A.CS.02, 1A.CS.03
Computer Science	11 Weeks	1A.AP.08, 1A.AP.10, 1A.AP.14
Engineering and Design	6 Weeks	AL.3.K.B1, AL.4.K.C1, AL.4.K.B1
Introduction to the 4 C's	6 Weeks	AL.1.K.B1, AL.2.K.C1, AL.4.K.C1

**RESOURCES:** ABC Mouse, Bees and Honey, Code.org, KEVA Planks, LEGOS, STRAWBUILDERS, BeeBot

**Rev.:** 8/15/19

