Secrets of Code
Grades 2-3

July 18 – 22

9 am to 3 pm

During this camp your KSA (Kopernik Secret Agent) will discover the world of codes, old and new. Each KSA will receive a TOP SECRET folder filled with a variety of codes and activities. They will have fun using them to decipher messages and solve mysteries. KSAs will learn about Morse Code and use Snap Circuits to build their own code transmitter. They will learn about and practice using Braille and American Sign Language. As they discover ways in which we all use code in our daily lives through a variety of activities and guest speakers, each KSA also will learn how to write computer programs that can design an avatar, create music, generate animation, activate their own LEGO project, and more.

Monday	LEARN HOW CODES ARE USED IN EVERY DAY LIFE
	DECIPHER CODES
	FOLLOW CLUES TO SOLVE A MYSTERY
Tuesday	LEARN ABOUT MORSE CODE AND MAKE A NAME NECKLACE
	MAKE A MORSE CODE TRANSMITTER WITH SNAP CIRCUITS
	LEARN ABOUT BRAILLE AND AMERICAN SIGN LANGUAGE
Wednesday	CREATE GAMES AND ACTIVITIES WITH CODES
	TEACH OR TRADE ACTIVITIES WITH OTHER STUDENTS
Thursday	LEARN INTRODUCTORY COMPUTER PROGRAMMING
	DESIGN AN AVATAR, CREATE MUSIC, GENERATE AN ANIMATION
Friday	USE PROGRAMMING SKILLS TO ACTIVATE A LEGO WEDO PROJECT