

COMPUTING

Computing Systems

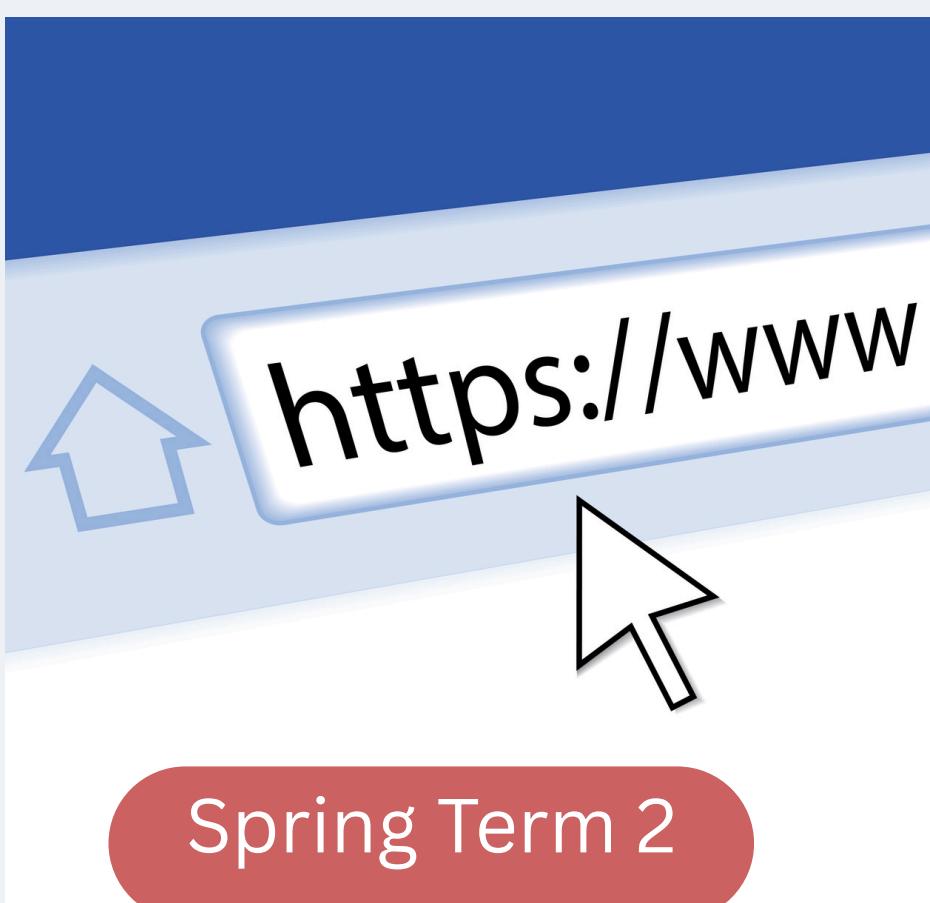


Autumn Term 1

Logging in Teams, Email Etiquette
Input Process Output
Input output Devices
Logic Gates
Parts of a computer
Thinking Machines
Open-Source vs Proprietary

Skills: Students learn about the hardware needed to make a computer system, including software.

Making Websites



Spring Term 2

Web - Purpose
Template
Images
Text
Hyperlinks
Completion

Skills: Students learn how to make a website including images and text.

Vector Graphics

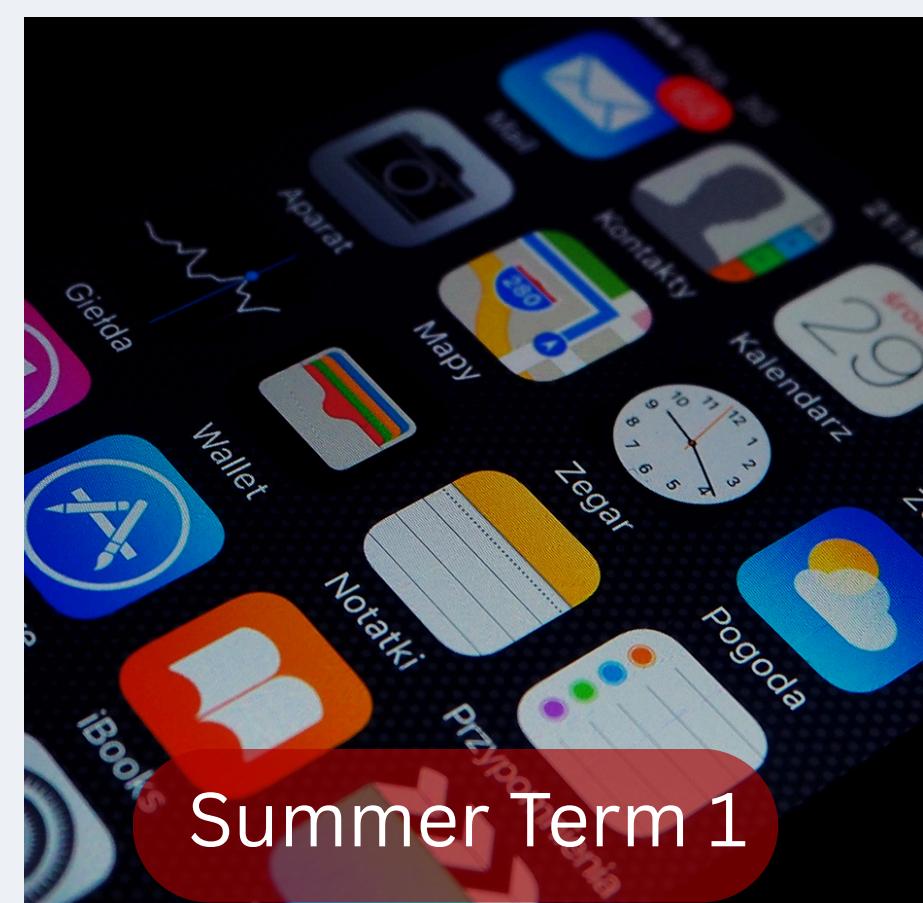


Autumn Term 2

Intro Inkscape
Multiple objects
Paths
What will you make?
Markup
Bitmap vs Vector

Skills: Students learn how to use Inkscape software to make vector drawings

Mobile App Development

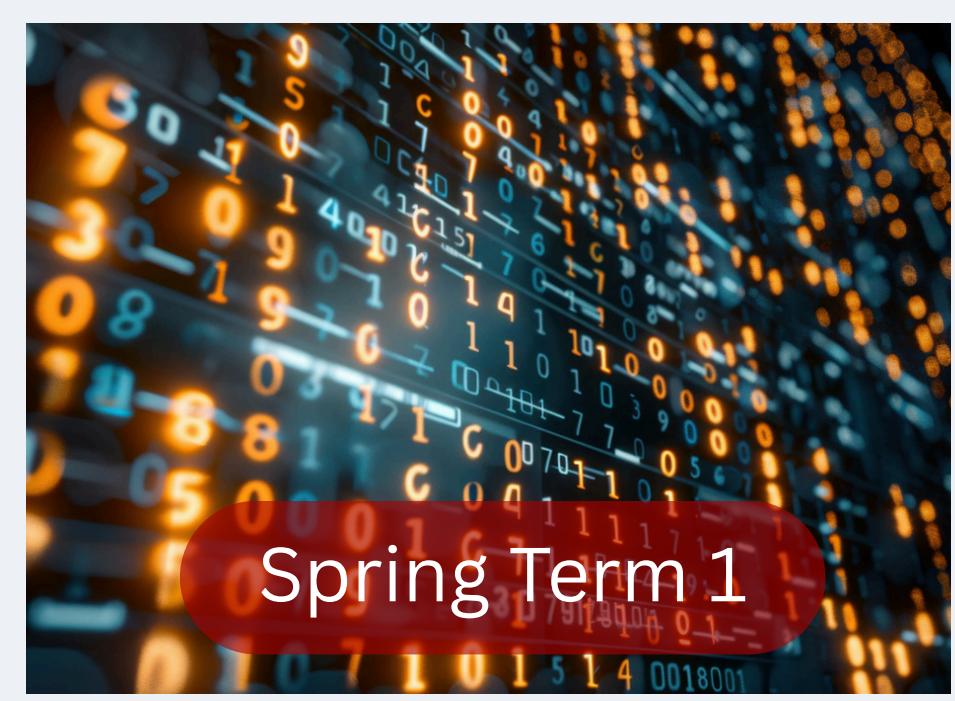


Summer Term 1

Mobile App development Design
Online safety
Mobile phone hardware
Online safety in App development
App development

Skills: Students learn the design and development process of creating their own mobile app, using App Lab from code.org.

Binary Representations



Spring Term 1

Representations
Lights & Drums
Binary Digits
Numbers in Binary
Binary / Data measures

Skills: Students learn what binary is and how all computer text and numbers are a representation of these binary symbols.

Introduction to Python



Summer Term 2

Python - Intro
Math Operators
Logic Operators
If Else Elif
While Loops
Iteration & Selection

Skills: Students learn how to program using text-based programming with Python.