The Path to Computational Success at KS3 (2022 – 2023)

KTC Kemnal Technology College

Year 7

Impact of Technology and Collaborating Online Respectfully

Hardware & Software

Networking Making a Google site Code.org programming

Data Representation First look at Binary & Decimal

Creating Algorithms Flowol Design and Using Robots

Introduction into Spreadsheet & Introduction to Python

Creative Multimedia Project

Computer Science

Year 8

Spreadsheet Modelling

Algorithm & Computers. With Python Turtle

Network, Hardware and Software

Data Representation

Creative Multimedia Project

Digital Literacy &Environmental Issues

Year 9

Computers & Programming

Data Representation

Spreadsheet Modelling & Simulation

Computational Thinking & History of Computing

Creative Multimedia

Digital Citizenship. Issues an impact

* In September for Y8 and Y9 Digital Literacy will be covered in the first week of term.

Computer Science

Kemnal Technology College

Programming
https://snakify.org/en/ - learn to program in Python
https://www.python.org/ - Python software and help
https://microbit.org/ - microbit resources and software

BBC Bitesize
https://www.bbc.co.uk/bitesize/subjects/z34k7ty
Computer Science
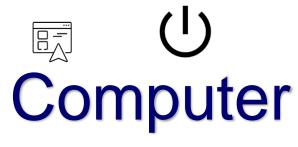https://www.bbc.co.uk/bitesize/subjects/zqmtsbk
Information Technology

Teach Computer Science
https://teachcomputerscience.com/ excellent explanations on Computer Science topics

Class Charts https://www.classcharts.com/ for all past homework tasks and knowledge organisers.

Google Classroom - for class work set by your teachers, knowledge organisers, quizzes etc

Kemnal Keys – Check in with your Kemnal Keys and the questions that will be tested in class. Email your teacher if you have questions about the lesson!

Encourage your child to **start early, start now** on their homework and revision – on google classroom.

Help them be **organised**. Create a workable homework timetable with them.

Let them **talk**. Talking with you about a topic or subject helps them visualise their knowledge.

Water and healthy food are vital for the brain to function properly. Make sure they are eating and drinking with you while they talk about their subject.

Exercise & fresh air. Go for a jog with them while they talk about their subject.