Y7 syllabus / revision topic checklist (last updated Oct 2021)

Topic 1 – Intro to Camp Hill Systems

· School network rules;
· Use of school email;
· Use of Google Classroom, GSuite and Google Drive

Topic 2 – Spreadsheets & modelling

· Be able to explain what a model is and why modelling is useful.
· Spreadsheet skills including:
  o Identifying where labels, values & formulas are
  o Changing cell data type (e.g. from number to currency)
  o replication,
  o simple functions (SUM, MIN, MAX, AVERAGE),
  o more complex functions (being able to use IF; being aware of COUNT & RANK functions);
  o goal seek;
  o relative & absolute cell references.

Topic 3 - Binary

● To understand terms such as binary, denary, bit, byte & nibble
● To know and be able to use the common computer prefixes kilo-, mega-, giga- & tera- as related to bytes (it is acceptable to use this as multiples of 1000 or of 1024)
● To be able to convert between denary & binary (in either direction)
● To be able to add and subtract any two binary numbers (marks given for showing working)
● Some may be able to do similar with octal, but this will not be tested in the end of year test

Topic 4 - Scratch

● To be able to create algorithms to solve problems
● To understand what variables are and how they are used
● To be able to manage inputs/outputs to computer systems
● To understand the common programming features of sequence, selection & iteration

In addition, e-safety is a part of the curriculum delivered through PHSE lessons.