Computing

Year 1

Online safety

Creating pictograms
Looking at how to store data

Grouping and sorting

Lego builders - An introduction to algorithms

Pupils and parents are introduced to Purple Mash and children are given their logins to use the software at home.
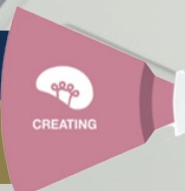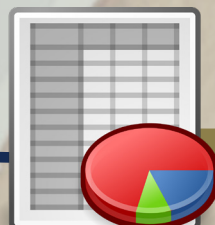
Maze explorers
An introduction to coding

<\>HTML
H
Document

Coding
Use of coding programmes

Animated story books
Children will create their own e-book

CREATING

Spreadsheets

Technology outside of school
What do we use at home?

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Computing

LINKING

Continuing work on Coding and Online Safety from year 1

Questioning
To allow us to explore data further

Creating pictures
Pupils will learn how to write captions

Effective searching - How to us the internet properly

Creating

Making music
Children will use tools to create beats and rhythms

Presenting ideas
How we can present ideas in different ways

META-THINKING

Touch typing
How to use a keyboard properly and effectively

How to use email properly and safely

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Databases

Pupils will continue to use Purple Mash in school and at home to enhance their computing skills

Computing

How to create simulations

Graphing
Creating a graph and analysing data

Year 4

Coding and online safety - Linking to previous knowledge in Years 1-3.

CREATING

Fluent thinking
The ability to generate ideas

Logos
Pupils will create their own logo using Purple Mash software
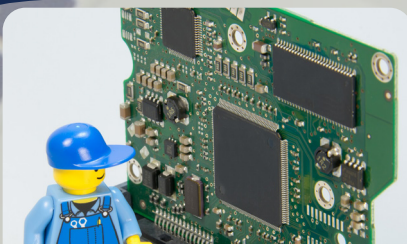
Writing for different audiences
Learning how to write for different genres of writing

Animation

Effective searching
How to find information effectively

Hardware investigators
Children will be able to identify different parts of a computer

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Computing

Year 5

Online safety
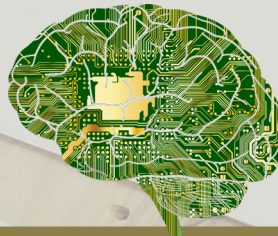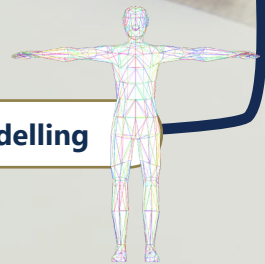How to choose safe passwords

Databases
How to store data effectively

Game creating
Children use their knowledge of coding to create their own game

LINKING

3D modelling

Concept maps
Storing ideas digitally

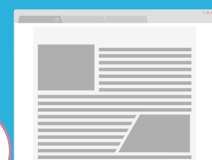**Coding -** Looking at more advanced algorithms

Year 6

Spreadsheets

Online safety
What is and isn't safe to share?

Blogging
How to write in a blog style effectively

Text adventures
Pupils will learn how to make a story based adventure on Purple Mash software

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Quizzing

Networks
Exploring the internet and what the future holds
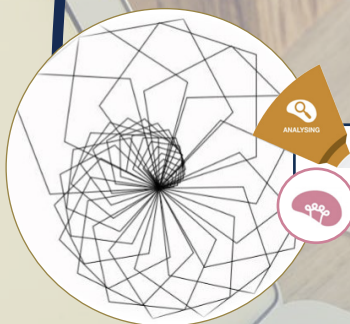
Big picture thinking

Year 7

Computing and IT

Students will use the HPL VAAS: Empathetic, Agile and Hard Working throughout all years of their learning.

The Internet and the WWW

Combating the dangers of the online world...

SOCIAL MEDIA

Programming with Python Turtle

ANALYSING

Databases

A

Programming with Python

CREATING

Originality
The ability to conceive something enirely new
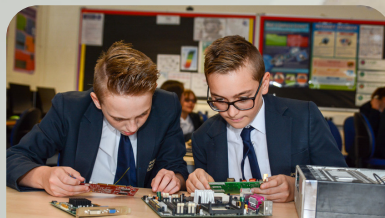
Meta-cognition
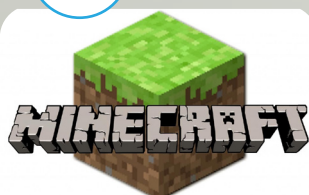The ability to knowingly use a wide range of thinking approaches and to transfer knowledge from one circumstance to another.

META-THINKING

Computer Hardware

Programming with Minecraft

Connection finding

MINECRAFT

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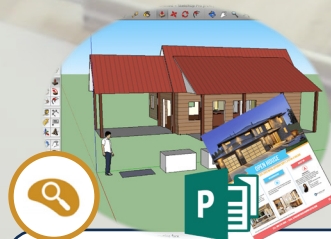Everyone Every Lesson Every Opportunity
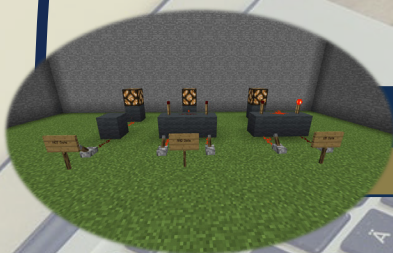
Computing and IT

Networks and the Internet
Keeping networks secure...

3D Modelling and Desktop Publishing

Boolean Logic
Using Minecraft...

REALISING
Speed and accuracy
The ability to work at speed and with accuracy

Programming with Python

CREATING

Social media research
Data analysis and processing...

LINKING
Imagination
The ability to represent the problem and its categorisation in relation to more extensive and interconnected prior knowledge.

Website Development
HTML and WYSIWYG

WEB DEVELOPMENT

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Computing and IT

Year 9
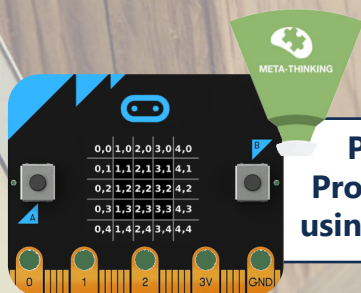
Python Programming using Microbits

META-THINKING

Online and Network Security

CYBER SECURITY

Emerging technologies

Fluent thinking
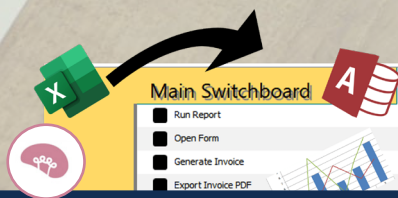The ability to generate ideas
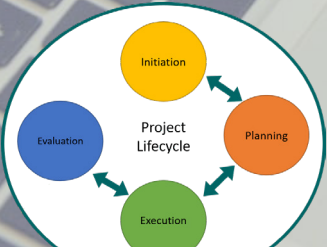
Python programming

ANALYSING

python

HARD WORKING

Practice
The ability to train and prepare through repetition of the same processes in order to become more proficient.

Data processing and analysis

Main Switchboard
- Run Report
- Open Form
- Generate Invoice
- Export Invoice PDF

Project management
With video, image and sound manipulation

Project Lifecycle
- Initiation
- Planning
- Execution
- Evaluation

AGILE

Enquiring
The ability to be curious; be willing to work alone; be proactive and keen to learn.

Information Technologies

Computer Science

Now it's time to pick your GCSE options…

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