Great Sampford Primary School

INGENUITY

SOFTWARE
Safari
Pages, Keynote
Numbers
Notes
Garageband
Scratch
code.org
Audacity
iMovie

HARDWARE
MacBooks
iPads
Printer
3D Printer
Camera

WORD PROCESSING
Font - Size, Bold, Italic
Cut, Paste, Copy, Save, Format
Edit, Spell Check, Replace
Images, Tables, Graphs
Touch Typing

COMPUTING

e-Safety

Digital Citizen
Digital Footprint
Responsibility

Private & Personal Information
Passwords

Understanding GDPR

Podcasting

INTERNET
Searching   Source
Research   Comparison
Reliability
Google & Search Engines
Google Maps

DATABASES
Spreadsheets
Formula
Storing Data
Collecting Data

PRESENTATION
'Kahoot'   'Plickers'
Research   Present
Garageband
Summarising
Software

ANIMATION
Step Motion
Lego/Play-doh

CODING
Designing
Algorithms
Debugging

Using the 'Green Screen'

INSPIRATIONAL PEOPLE INVENTORS & ENGINEERS
Eponyms
Issac Newton   Lovelace   Darwin   Marie Curie   Hawking   Pocock
Braille   Dyson   Steve Jobs   Bill Gates   Zuckerberg   Franklin
Linnaeus   Watson   Peake   Lacks   Turin

TOPIC BASED APPROACHES
'Using electrical systems in Design Technology'
'Budgeting for a party using a Spreadsheet'

Meet the brief & Budgeting

DISCOVER

INVENT

PLAN

VISITS

DESIGN

CREATE

VISITORS

UNIQUE INNOVATION

CONSTRUCTION
Our Own & Famous Constructions

Programme
Monitor Control
Control Boxes

Design   Make   Evaluate

DESIGN TECHNOLOGY

Textiles & Sewing

Pneumatics & Hydraulics

Purposeful & Appealing

EQUIPMENT
Sawing
Drilling
Screwing
Sand
Tap
Join
Paint

Making things...
Stronger, Stiffer & Stable

SKILLS
Construct
Design
Evaluate
Invent
Create
Plan
Problem-solving
Test

Engineering & Architecture

Mechanical Systems

FOOD TECHNOLOGY
Ingredients
Process
Method

Justify Ideas

CAMS
Levers
Pulleys
Gears

Curriculum Links

Themes

Cookery Verbs

Budgeting

Sweet & Savoury

Sewing   Recycling

First Aid

Gardening & Growing

Healthy Lifestyles

Hygiene

Equipment

Palaeontology

FOOD TECHNOLOGY

World Food Traditions

ENRICHMENT ACTIVITIES

PLANTS
Identify - Name Plants & Trees
Seeds, Bulbs
Parts of a Plant
Features of Living Organisms
'MRS GREN'

WORKING SCIENTIFICALLY
Questions, Evaluating, Variables, Performing, Recording, Fair Testing, Conclusions, Predicting, Hypothesis, Gathering/Recording Data, Systematic, Diagram, Comparing, Safety, Measuring, Scientific Language, Results, Differences & Similarities, Scientific Evidence, Refute ideas/ Arguments, Explanation, Identify

ANIMALS
Name Common Animals
Carnivores, Herbivores, Omnivores
Life Cycles & Food Chains
Features of Living Organisms
'MRS GREN'
Classification
Types of Food
Skeletons & Muscles
Digestive System & Teeth
Circulation
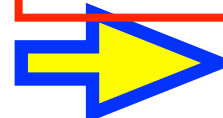Diet/Nutrients/ Exercise
Healthy Lifestyles

SCIENCE

MATERIALS
Identify/Name Everyday
Properties of Materials
Grouping Materials
Reversible/Irreversible Reactions
Conductivity
Magnets
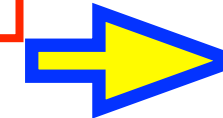Changes of State
Filter, Sieve, Mix, Dissolve

LIVING THINGS
Living & Non Living
Habitats – Micro
Classifying
Life Processes
Enviro. Changes

SPACE
Earth, Planets, Sun, Moon, Day & Night

LIGHT
Reflection & Shadows
The Sun, Sun Safety, Light Sources

STATES OF MATTER
Solids, Liquids & Gases
Heating & Cooling
Evaporation
Condensing
The Water Cycle

SOUND
Vibrations, The Ear, Pitch

Seasonal Changes

FORCES
Magnets
Moving Things
Grouping
Gravity
Air Resistance
Water Resistance
Levers & Pulleys
Friction

Evolution & Inheritance

ELECTRICITY
Appliances, Circuits, Switches, Conductors, Insulators, Brightness, Voltage, Symbols,

Adaptation to Environment

ROCKS
Compare & Group Geology

Intention   Implementation   Impact