

Select, use and combine a variety of software (including

internet services) on a range of digital devices to design

accomplish given goals, including collecting, analysing,

evaluating and presenting data and information

Understand computer networks including the

internet; how they can provide multiple services,

such as the world wide web; and the opportunities

they offer for communication and collaboration

Create and debug

simple programs

2024

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the internet; how they can provide multiple

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multiple services, such as the world wide

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communication and collaboration

What was life like during

online technologies

How have

significant people

changed our

Use technology safely,

respectfully and responsibly;

recognise acceptable/

unacceptable behaviour;

identify a range of ways to

report concerns about content

and contact

the turn of BC to AD?

Design, write and debug programs that

accomplish specific goals, including

controlling or simulating physical systems;

solve problems by decomposing them into

smaller parts

Use technology safely and respectfully

keeping personal information private;

identify where to go for help and support

when they have concerns about content

or contact on the internet or other

nline technologies

How did the

Romans change

our world?

to predict the

programs

Create and

debug simple

programs

What was life like in

medieval times?

2026

technology purposefully organise, store. manipulate and retrieve digital

Use

content

common uses of information technology beyond school

important for survival? Understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration

Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data a

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Recognise common uses of information technology beyond school

of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information

Select, use and combine a variety

Use technology purposefully to create, organise manipulate and



networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration

Respond in different ways to people, places and environment's by expressing their views about their surroundings

Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by and create a range of programs, systems and content that decomposing them into smaller parts

> Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions

How high can I travel on Earth?

Use sequence, selection, and repetition in programs; work with variables and various forms of input and output

Use technology safely, respectfully and responsibly: recognise acceptable/unacceptable behaviour; identify a range of ways to report Concerns about content and contact

How does it feel to be part of a carnival?

Use search technologies effectively, appreciate how Use logical reasoning results are selected and ranked, and be discerning behaviour of simple in evaluating digital content

> Use sequence, selection, and repetition in programs; work with variables and various

forms of input and output

Could you survive in a rainforest?

Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous

> Use logical reasoning to predict the behaviour of

changed the way we celebrate?

results are selected and ranked, and be discerning in evaluating digital ?

Use sequence, selection, and repetition in programs; work with variables and various forms of input and output

Where in the world are you?

Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions

KS 1/2 Computing **Learning Journey**

Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content

Use technology safely and respectfully,

keeping personal information private;

identify where to go for help and

support when they have concerns

about content or contact on the

internet or other online technologies

How do different

countries and religions

celebrate?

Understand what algorithms are; how

they are implemented as programs on

digital devices; and that programs

execute by following precise and

unambiguous instructions

Can you travel the whole

way around the world?

Use sequence, selection,

work with variables and

various forms of input and

output

How does it feel to be

part of a carnival?

Use search technologies effectively,

appreciate how results are selected

and ranked, and be discerning in

evaluating digital content

Understand what algorithms are;

following precise and

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Would you like to live in

Use sequence, selection,

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Use search technologies effectively, appreciate

how results are selected and ranked, and be

discerning in evaluating digital content

Use logical reasoning to

predict the behaviour of

simple programs

Use logical

reasoning to predict

the behaviour of

simple programs

and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact

Use technology safely, respectfully

Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information

How are skills from the iron/ stone age still used today?

> Understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for

> > communication and collaboration

Create and debug Recognise common uses of simple programs information technology

Are the Pyramids of Giza an important part of world history?

Design, write and debug programs that accomplish specific goals, including controlling and repetition in programs; or simulating physical systems; solve problems by decomposing them into smaller parts

> Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact

Did the Vikings change our world?

Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies

Create and debug simple programs

beyond school Why was the year 1666

important to London?

Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into

smaller parts

Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact

Use technology purpose-

fully to create, organise,

store, manipulate and

retrieve digital content

Recognise common uses of

information technology

What makes a person significant?

Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies

Use technology purposefully to 2025 create, organise

◪∷◪

content

computer including the internet; how they can provide nultiple services, such as the world wide web; and the opportunities they offer for

communication and

collaboration

Understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for

communication and collaboration Select, use and combine a variety of software (including internet services) on a range of 2023

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analysing, evaluating and presenting data and information

Understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and

collaboration





pformation technology beyond school and climate? How was life different when Queen Victoria Understand computer ruled?

Understand computer networks in-

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instructions Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other

simple programs

How has history

Use search technologies effectively, appreciate how

content

How has history changed the way we celebrate?

Use logical reasoning to predict the behaviour of simple programs

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2026

Inderstand several key algorithms that reflect computational thinking [for example, ones for

sorting and searching]; use logical reasoning to

compare the utility of alternative algorithms

for the same problem

Understand computer networks including the

internet; how they can provide multiple services,

such as the world wide web; and the opportunities

they offer for communication and collaboration

Design, use and evaluate computational

abstractions that model the state and

behaviour of real-world problems and

Understand a range of ways to use

technology safely, respectfully, responsibly

and securely, including protecting their

online identity and privacy; recognise

inappropriate content, contact and

onduct, and know how to

How did the

Romans change

our world?

Understand simple Boolean logic [for

example, AND, OR and NOT] and some

of its uses in circuits and programming;

understand how numbers can be

represented in binary, and be able to

carry out simple operations on binary

numbers [for example, binary addition, and conversion between binary and

Understand the hardware and software

components that make up computer

systems, and how they communicate with

one another and with other systems

What was life like in

medieval times?

Create, reuse revise and repurpose digital artefacts for a given audience, with attention to trustworthiness,



Develop and apply their problem-solving, design, and

computational

thinking skills

important for survival? Understand how and executed within a computer system; understand how data of various types (including text, sounds and pictures) can be represented and manipulated digitally, in the form of binary digits

Understand several key algorithms that reflect computational thinking [for example, ones for sorting and searching]; use logical reasoning to compare the utility of alternative

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computer system; understand

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Develop and apply their

thinking skills

analytic, problem-solving, design, and computational



algorithms for the same problen is both thrive

Create, reuse, revise and repurpose digital artefacts for a given audience, with attention to trustworthiness, design and

2024

Develop and apply their analytic, problem-solving, design, and computational thinking skills



Design, use and evaluate computational abstractions behaviour of real-world problems and physical systems

What was life like during

the turn of BC to AD?

Understand a range of ways to use technology safely, respectfully, responsibly and securely, including protecting their online identity and privacy; recognise inappropriate content, contact and conduct, and know w to report concerns

2022

How have significant people changed our

Understand how changes in

technology affect safety, Create, reuse, revise and including new ways to epurpose digital artefacts for a given protect their online privacy audience, with attention to and identity, and how to trustworthiness, design and usability report a range of concerns

Strong Street St Understand the hardware and software components that make up computer systems, and how they communicate

How was life different when Queen Victoria ruled?

Understand how instructions are stored and executed within a computer system; understand how data of various types (including text, sounds and pictures) can be represented and manipulated digitally, in the form of binary digits

state and behaviour of real-world problems and physical systems



Understand the hardware and software components that make up computer systems, and how they communicate with one another and with other systems

> Undertake creative projects that involve selecting, using, and combining multiple applications, preferably across a range of devices to achieve challenging goals, including collecting and analysing data and meeting the needs of known users

How high can I travel

on Earth?

Develop their capability,

creativity and knowledge in

computer science, digital

media and information

technology

How does it feel to be

part of a carnival?

Use 2 or more programming

languages, at least one of which is

textual, to solve a variety of

computational problems; make

appropriate use of data structures

[for example, lists, tables or arrays];

design and develop modular pro-

grams that use procedures or

functions

Develop their capability, creativity

and knowledge in computer

science, digital media and

information technology

Use 2 or more programming languages, at least

one of which is textual, to solve a variety of

computational problems; make appropriate

use of data structures [for example, lists, tables

or arrays]; design and develop modular

programs that use procedures or functions

How has history

changed the way we

celebrate?

Develop their capability,

creativity and knowledge in

computer science, digital media

and information technology

Could you survive in a

rainforest?

Undertake creative projects that involve

selecting, using, and combining multiple

applications, preferably across a range of

devices, to achieve challenging goals,

including collecting and analysing data and

meeting the needs of known users

Understand how changes

in technology affect safety,

including new ways to protect their

online privacy and identity, and how

to report a range of concerns

Use 2 or more programming languages, at least one of which is textual, to solve a variety of computational problems; make appropriate use of data structures [for example, lists, tables or arrays]; design and develop modular programs that use procedures or functions

How do different countries and religions celebrate?

Understand simple Boolean logic [for example AND, OR and NOT] and some of its uses in circuits and programming; understand how numbers can be represented in binary, and be able to carry out simple operations on binary numbers [for example, binary addition, and conversion between binary and decimal]

Undertake creative projects that involve selecting, using, and combining multiple applications, preferably across a range of devices, to achieve challenging goals, including collecting and analysing data and meeting the needs of known users

> Can you travel the whole way around the world?

Develop their capability, creativity and knowledge in computer science, digital media and information technology

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Would you like to live in Kenya?

Develop their capability, Understand simple Boolean logic [for example, AND, OR and NOTI and some of its uses in circuits and creativity and knowledge in programming; understand how numbers can be computer science, digital represented in binary, and be able to carry out simple media and information operations on binary numbers [for example, binary technology addition, and conversion between binary and decimal]

Use 2 or more programming languages, at least one of which is textual, to solve a variety of computational problems; make appropriate use of data structures [for example, lists, tables or arrays]; design and develop

modular programs that use procedures or functions

How has history changed

Understand simple Boolean logic [for example, AND, OR and NOT] and some of its uses in circuits and programming; understand how numbers can be represented in binary, and be able to carry out simple operations on binary numbers [for example, binary addition, and conversion between binary and decimal]

report a range of concerns to trustworthiness, design and Design, use and evaluate computational abstractions that model

Learning Journey

Understand a range of ways to use technology

safely, respectfully, responsibly and securely,

including protecting their online identity and

privacy; recognise inappropriate content,

contact and conduct, and know how to report

concerns

2025

Create, reuse, revise and

given audience, with attention

the state and behaviour of real-world problems and physical systems

How are skills

from the iron/

stone age still

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Understand how changes in

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Are the Pyramids of Giza an important part of world history?

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Did the Vikings

change our world?

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Create, reuse, revise and repurpose digital artefacts for a given audience, with attention to trustworthiness, design and usability

2023

Develop and apply their analytic, problem-solving, design, and computational

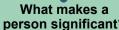
Why was the year 1666 important to London?

Design, use and evaluate Understand the hardware and computational abstractions that model the state and behaviour of real-world problems and physical

software components that make up computer systems, and how they communicate with one another and with other systems

Understand how changes in technology affect safety,

including new ways to protect their online privacy and identity, and how to report a range of concerns



Understand a range of ways to use technology safely, respectfully, responsibly and securely, including protecting their online identity and privacy; recognise inappropriate content, contact and conduct, and know how to report concerns

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KS 3/4

Computing

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instructions are stored and executed within a computer system; understand how data of various types (including text, sounds and pictures) can be represented and manipulated digitally, in the form of binary digits

Develop and apply their analytic, problem-solving, design, and computational thinking skills

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Understand how instructions are stored and executed within a computer system; understand how data of various types (including text, sounds and pictures) can be represented and manipulated digitally, in the form of binary digits









Design, use and evaluate computational abstractions that model the

Where in the world are you?

> Undertake creative projects that involve selecting, using, and combining multiple applications, preferably across a range of devices, to achieve challenging goals, including collecting and analysing data and meeting the needs of known users

the way we celebrate?

person significant?

