

Year
7

Year 7 Information Technology



The Rudheath
Senior Academy

What is the impact
of technology?

How can we
collaborate
online
respectfully?

What are
spreadsheets
and cell
referencing?

How do we use
spreadsheets to
collect, manipulate
and analyse data?

What is a computer
program?

How do we
program using
scratch?

What is a
computer
network?

How is data
transmitted
across networks?

How can we use
our digital literacy
skills to raise
awareness and
gain support for a
cause?

To Year 8 ...

Year 8 Information Technology

Year
8

What is
decomposition?



How can a
problem be
broken down and
solved using lists
and subroutines in
scratch?

What are computer
systems?



How can we use
computer systems
to execute programs
and perform
different tasks?

How can we build
on the
programming
concepts learnt
and used in
previous units?



Research and
design a mobile
App.

How can vector
graphics be used
to design
anything from
logos and icons
to complex
illustrations?



How are websites
built and created?

How are search
engines able to find
the correct
website?



To Year 9 ...



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Year 9 Information Technology

Year
9

How and why do
cybercriminals
steal data?



How can we all
protect ourselves
against cyber
attacks?



What is text based
programming?



How do we
program using
Python?



What is data
science?



How can we use
Data Science to
solve problems?



How is computer
based 3D
modelling and
animation used
to make the
media products
we enjoy?



How are images
and sounds
represented and
manipulated using
computers?



To Year 10 ...



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