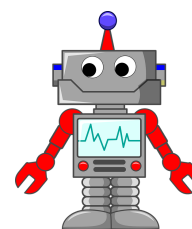# Curriculum Overview for students

What are we learning in **Computer Science** in Year 7?

WHEN	MAIN TOPICS	KEY CONCEPTS	RESOURCES TO HELP ME/ASSESSMENT DETAILS
HALF TERM 1 *We are one!*	*Acceptable use of IT at RTS Google Classroom and handing in work Creating an animation for a given purpose*	*Editing and formatting text to convey a clear message to intended audience Creating, editing and animating 2d shapes*	Help available in the Computer Science Google Classroom **Half term assessment: All classwork and homework for this unit**
HALF TERM 2 *Zeros and Ones*	*Binary*	*How numbers and images are represented using bytes Vocabulary: binary, denary, nybble, byte*	Resources available in the CompSci Google Classroom **Half term assessment Online test**
HALF TERM 3 *The Power of the Image*	*How images in the media and particularly of celebrities, are altered*	*Importing copyright-free images, changing opacity, applying masks and effects*	Resources available in the CompSci Google Classroom **Half term assessment - Creating a digital image**
HALF TERM 4 *Turtles all the way down*	*Programming using a text-based language*	*Implementing: repetition, iteration, conditions and using variables*	Resources available in the CompSci Google Classroom **Half term assessment - Create a program to meet the given specification**
HALF TERM 5 *What does the data tell us?*	*How to analyse a large data set*	*clean data, filter data use count() create and format bar graphs add graph to infographic template*	Resources available in the CompSci Google Classroom **Half term assessment - Create an infographic using given data**
HALF TERM 6 *The internet and the World Wide Web*	*html, css and javascript*	*Using html to structure a web page Using css to change how a webpage looks Using javascript to make a web page interactive*	Resources available in the CompSci Google Classroom **End of year summative assessment including previous topics**