Computing Yearly Overview

The Rivers C.of E. Academy Trust

	Autumn Term		Spring Term		Summer Term	
Year 1	**Beebot Explorers** Can you code a robot?	**Digital Painting** How do I use technology to create artwork?	**Just Dance** Can you code a dance routine?	**Clean water** Why should everyone have clean water?	**Wildlife Data** What wildlife lives around school?	**Technology around us** What is technology is used for?
Year 2	**Fundamentals in Coding** How can you create a computer programme?	**Art attack** Can I take and edit my own photographs?	**Robot algorithms** Can you navigate a robot to overcome obstacles?	**Computer museum** How has technology changed over time?	**Communicating** How do we use technology to communicate?	**Investigators** How can I use data to track sustainable recycling?
Year 3	**Sequencing sounds** Can you code a music sequence?	**Be Internet Smart** How can I be internet smart?	**Events and actions in programmes** What are the different ways I can trigger data?	**Branching database** How can we organise data?	**Animation** Can you create a stop time animation?	**Connecting Computers** How are computers connected around the world?
Year 4	**Cryptography unit** How has technology been used to crack codes?	**Repetition in Shapes** Why should be use loops in code?	**Top Trumps** Can you create your own mythical beast?	**Be Internet Alert** How can I be Internet Alert?	**Repetition in Games** What are the different types of loop we can use in a code?	**How does the internet work?** How does the internet work?
Year 5	**Audio engineers** How can I record and edit a radio jingle?	**Real or Fake** Is everything we see online real?	**Selection in Quizzes** How do I add choice to my game by using selection and conditions?	**Computing Influencers** Who are the key influences of innovation of technology?	**Crab maze** How can I create a multiple level video game?	**Visual Storytelling** How can we shoot and edit a video?
Year 6	**3D modelling** How is Computer Aided Design used to create 3D models?	**Variables in Games** How can variables be used in code?	**Company Launch** What digital tools can you use to launch a company?	**Be internet kind and brave & #Life Skills** How can I be Internet Smart?	**Sphero** What could autonomous vehicles of the future look like?	**What is inside a Computer?** What could the future of Computing look like?