



St George's CE Primary School

Computing Progression of Knowledge & Skills (EYFS – Year 6)

Digital Citizenship

Stage	Knowledge	Skills
Nursery (2–3 / 3–4)	• Technology exists around us • Online actions can make us feel happy/sad • Tell an adult if something feels wrong	• Explore simple apps • Follow simple routines • Use shared devices respectfully
Reception	• What personal info is • 'Butterfly feeling' awareness • Rules for staying safe online • People can be unkind online	• Follow safety rules • Tell an adult when unsure • Take turns and use devices responsibly
Year 1/2	• Keep personal info private • People behave differently online • Recognise online bullying • Understand digital footprints • Know who to report to	• Use safe search tools • Identify unsafe content • Report worries to adults • Respect copyright • Log in safely using credentials
Year 3/4	• Identity vs real identity • Online reputation • Digital footprints searchable • Understand privacy settings • Evaluate online content	• Use reporting tools • Apply privacy settings • Evaluate risks • Communicate respectfully online
Year 5/6	• How online behaviour affects reputation • Legal/ethical responsibilities online • How online data is tracked • Recognise misinformation • Critical evaluation of content	• Protect online identity • Capture evidence of bullying • Manage privacy settings • Report concerns to external systems • Model responsible digital citizenship

Digital Literacy

Stage	Knowledge	Skills
Nursery	• Devices create pictures/sounds	• Tap, drag and select • Create simple images • Explore mark-making apps
Reception	• Logging in with support • Work can be created/saved	• Mouse/trackpad control • Simple typing • Create pictures/audio • Follow digital instructions
Year 1/2	• Edit simple text • Save and retrieve work • Different digital media types • Simple graphs/charts • Branching databases	• Type text accurately • Combine text/images • Create simple multimedia • Make simple charts • Organise files
Year 3/4	• Select suitable software • Purposeful word processing • Basic spreadsheets • Animation frames • Representing data	• Touch-type fluently • Edit layouts effectively • Edit audio/video • Make branching databases • Use spreadsheets for graphs
Year 5/6	• Design for audience • Website evaluation • CAD basics • Advanced databases • Data storage & analysis	• Advanced Word/Slides • Edit video professionally • Design websites • Formulas in spreadsheets • Produce polished digital products

Computer Science

Stage	Knowledge	Skills
Nursery	• Devices follow instructions	• Use directional language • Explore remote-controlled toys
Reception	• Algorithms = instructions • Order matters	• Create simple algorithms • Debug basic errors • Follow sequences
Year 1/2	• Algorithms vs programs • Simple debugging • Predicting outcomes	• Plan/test algorithms • Create sequences • Debug errors • Predict results logically
Year 3/4	• Sequences, repeats & algorithms • Recording algorithms • Decomposition	• Build programs with loops • Debug sequences • Explain code behaviour • Transfer skills across tools
Year 5/6	• Selection (IF/ELSE) • Variables • Inputs/Outputs • Abstraction	• Build programs using selection & repetition • Use variables confidently • Debug efficiently • Optimise and explain code

Information Technology

Stage	Knowledge	Skills
Nursery	• Info can be viewed on devices	• Explore photos/videos • Recognise digital devices
Reception	• Info stored on the internet • Name computer parts • Personal info awareness	• Identify devices • Use computer parts • Save work with support
Year 1/2	• Use simple search tools • IT beyond school • Device functions	• Use safe search • Navigate files • Store & retrieve work
Year 3/4	• What networks are • How search engines rank results • Data handling concepts	• Use cloud storage • Evaluate search results • Use collaboration tools
Year 5/6	• How the internet/WWW function • How results are selected • How systems communicate • Responsible IT use	• Critically evaluate content • Choose appropriate tools • Manage files independently • Present information using advanced tools