

Christ Church Primary SW9 Computing Curriculum

	Text and Graphics (information technology)	Digital Creativity (information technology)	Multimedia Authoring (information technology)	Data and Programming (computer science)	Research and Communication (digital literacy)
Years 1 and 2	I am learning to... Type quickly and correctly <i>I can...</i> Type letters quickly (Turtle diary/ ABCYA Typing Games) Create a word collage <i>I can...</i> Combine words into a collage (ABCYA Word Clouds) Type and present a printable document <i>I can...</i> I can change the size and colour of text (Word, Google Docs)	I am learning to... Paint a picture using ICT <i>I can...</i> Paint with different colours (2Draw on Purple Mash LGFL, ABCYA Paint) Create an avatar <i>I can...</i> Design and create an avatar (Twinkl avatar creator) Save my avatar. Create an animated scene <i>I can...</i> Add and delete a sprite (Scratch) Make my sprite move Add text to my scene (Scratch) (2DIY on Purple Mash, LGFL) Create music using ICT <i>I can...</i>	I am learning to... Produce a multimedia video <i>I can...</i> Put photos/videos in an order (iMovie) Create an activity for somebody to play <i>I can...</i> Create a simple activity for somebody to play (J2 Code LGFL) Create a multimedia e-book <i>I can...</i> Type text and choose/insert images onto pages (Storybird)	I am learning to... Explain how an algorithm works <i>I can...</i> Explain what an algorithm is (see Computer Science folder on Google Drive for lesson plans) Create a computer program <i>I can...</i> Move a programmable toy in different directions (Beebots) Combine commands to draw a trail of follow a route (Logo on Purple Mash or Scratch) Handle data using ICT <i>I can...</i> Sort up to 10 items into sets (2Graph - Purple mash, LGFL) (Graph maker)	I am learning to... Understand what the internet is <i>I can...</i> Explain what the internet is. Identify components of an ipod (paper ipod - see planning folder) Use QR codes <i>I can...</i> Scan a QR code (iPod, iPad, Mac) Explore a virtual map <i>I can...</i> Zoom in and out. Rotate the map. (Google maps) Communicate online <i>I can...</i> Send and reply to online messages sensibly (Wordpress) Research a topic on the World Wide Web <i>I can...</i>

Computer Science Ks2 Scheme Of Work

Roy Phipps



Computer Science Ks2 Scheme Of Work:

Teaching Computational Thinking and Coding in Primary Schools David Morris, Gurmit Uppal, David Wells, 2017-05-22 This is a guide to the teaching of computing and coding in primary schools and an exploration of how children develop their computational thinking It covers all areas of the National Curriculum for primary computing and offers insight into effective teaching The text considers three strands of computer science digital literacy and information technology The teaching of coding is especially challenging for primary teachers so it highlights learning on this giving practical examples of how this can be taught For all areas of the computing curriculum the text also provides guidance on planning age appropriate activities with step by step guides and details of educationally appropriate software and hardware This book helps you to connect what you need to teach with how it can be taught and opens up opportunities in the new curriculum for creative and imaginative teaching It also includes the full National Curriculum Programme of Study for Computing key stages 1 and 2 as a useful reference for trainee teachers

Lessons in Teaching Computing in Primary Schools James Bird, Helen Caldwell, Peter Mayne, 2014-07-18 Lesson planning in line with the new Primary National Curriculum This book goes much further than explaining to teachers the knowledge that the new computing curriculum requires It is about teaching and learning rather than simply teaching computing as an academic subject The new computing curriculum is explored in manageable chunks and there is no scary language everything is explained clearly and accessibly You will find example lesson plans alongside every element of the curriculum as support and inspiration when planning your own lessons It inspires an approach to teaching computing that is about creativity and encouraging learners to respond to challenges and problems using technology as a tool Ideas for taking the lesson further assessment and reflective questions for you are also included after each lesson Did you know that this book is part of the Lessons in Teaching series Table of Contents Algorithms and computational thinking in Key Stage 1 Programming in KS1 Manipulating digital data in KS1 Programming in KS2 Physical Computing in KS2 Understanding computer networks in KS2 Searching wisely for digital information in KS2 Adam Scribbans Using technology purposefully in KS2 Extending computing to meet individual needs in KS2 Sway Grantham and Alison Witts Embedding computational thinking moving from graphical to text based languages Mark Dorling WHAT IS THE LESSONS IN TEACHING SERIES Suitable for any teacher at any stage of their career the books in this series are packed with great ideas for teaching engaging outstanding lessons in your primary classroom The Companion Website accompanying the series includes extra resources including tips lesson starters videos and Pinterest boards Visit www.sagepub.co.uk/lessonsinteaching Books in this series Lessons in Teaching Grammar in Primary Schools Lessons in Teaching Computing in Primary Schools Lessons in Teaching Number and Place Value in Primary Schools Lessons in Teaching Reading Comprehension in Primary Schools Lesson in Teaching Phonics in Primary Schools Essential Subject Knowledge for Primary Teaching Nasreen Majid, 2023-03-25 As a trainee teacher you have a huge amount to grapple with

when it comes to developing expertise in the suite of subjects within the primary national curriculum Subject knowledge cannot be developed in isolation it must relate to the curriculum knowledge and pedagogical knowledge enabling ways to teach the subject with confidence This book takes you through a journey of the national curriculum supporting you to think about each subject's positioning within the national curriculum the subject knowledge you need to know and how to teach each subject in a creative way Highlighting the importance of diversity equity and inclusion across all chapters this book enables new teachers to bring new voices and perspectives to the classroom It includes Key subject knowledge Examples of sequenced lessons Classroom ideas Links to further learning and subject associations A chapter exploring the subject knowledge needed to teach sustainability and climate change

Understanding Primary Science Roy Phipps, 2000-07-01 Many primary teachers need help with their personal subject knowledge in science Now that there is a nationally published scheme of work for science in primary schools many teachers also need help in constructing lesson plans in order to cover all of the themes and possible activities in the scheme Designed with those needs in mind this book provides practical help in the form of sample lesson plans together with linked background subject knowledge for each of the science topics in the primary national curriculum Each chapter has sample lesson plans for four different age groups reception years 1 2 years 3 4 and years 5 6

Science Chris Drage, 2001 Nelson Thornes Primary ICT Handbooks enable primary teachers to integrate the teaching of ICT with other subject areas This handbook contains a range of straightforward practical teaching activities which allow pupils to apply and develop their ICT capability in meaningful curriculum contexts

Learning ICT with Science Andrew Hamill, 2013-05-24 Providing practical guidance on enhancing learning through ICT in science this book is made up of a series of projects that supplement augment and extend the QCA ICT scheme and provide much needed links with Units in other subjects schemes of work It includes fact cards that support each project and clearly outline its benefits in relation to teaching and learning examples of how activities work in real classrooms links to research inspection evidence and background reading to support each project adaptable planning examples and practical ideas provided on accompanying downloadable resources This book is essential reading for all trainee and practising primary teachers

Primary ICT Across the Curriculum Debbie Simpson, Mike Toyn, 2012-08-22 The changing landscape of primary teaching requires trainees to consider learning and teaching in new ways This book supports trainee teachers working towards primary QTS in teaching primary ICT across all areas of the curriculum It takes a truly cross curricular approach highlighting meaningful links across the curriculum and embraces the latest thinking and current good practice A chapter on social networking and e safety gives essential guidance on this topical issue and a section on developing your own skills in ICT is included This Second Edition is linked to the 2012 Teachers Standards and includes notes on the new National Curriculum

Primary Science Kit Rosemary Sherrington, 2002 This kit has been devised to help teachers of primary science in schools of all sizes The two year age band structure the compact size of the resources correlation to the QCA Scheme of Work and

recommended teaching times all contribute to making teaching science more effective in the school The Teacher Resource Books contain a comprehensive series of clearly structured lesson plans that enable you to teach the QCA Scheme of Work with six units in each year AS Use of Maths - Algebra and Graphs (incorporating Applying Maths) June Haighton, Anne Haworth, Geoff Wake, 2003 A study guide covering two compulsory modules of AS Mathematics Extra Learning Kay Andrews, 2013-04-15 A discussion of out of school learning OSHL study support and extra curricular activities It describes why out of school learning is essential in helping to develop learning and how to go about establishing and supporting effective programmes and activities outside the school curriculum

Reviewing **Computer Science Ks2 Scheme Of Work**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is truly astonishing. Within the pages of "**Computer Science Ks2 Scheme Of Work**," an enthralling opus penned by a highly acclaimed wordsmith, readers attempt an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve to the book is central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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