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| --- | --- | --- | --- | --- | --- | --- |
| Computing | **Sequential and Progressive Vocabulary** | | | | | |
| Y1&2 | **Autumn**  **Childhood** | | **Spring**  **Bright Lights, Big City** | | **Summer**  **School Days** | |
| Units Covered | COMPUTING SYSTEMS & NETWORKS Digital Literacy IT Around Us  *(Digital Literacy)* | CREATING MEDIA Digital photography  *(Information Technology)* | CREATING MEDIA Making music  *(Information Technology)* | DATA & INFORMATION Pictograms *(Information Technology)* | PROGRAMMING Robot algorithms *(Computer Science)* | PROGRAMMING Introduction to quizzes *(Computer Science)* |
| Y1 Tier 2 |  | horizontal, vertical, | music | more than, less than, count, | artwork, route, mat, | start, predict, match |
| Y1  Tier 3 | Information technology (IT), computer, barcode, scanner/scan | camera, photograph, image, digital, field of view, narrow, wide, flash, focus, background, changed, real | , planets, Mars, Venus, war, peace, quiet, loud, feelings, pattern, Neptune, pitch, notes, instrument, create, open, | tally chart, votes, total, pictogram, tally chart, group, same, different, most popular, least popular | instruction, clear, program, order, commands, | program, run, program, blocks, actions, sprite, , features, |
| Y2  Tier 2 |  | landscape, portrait, |  | most, least, explain, compare, | prediction, design, | Modify, evaluate |
| Y2  Tier 3 | Information technology (IT), computer, barcode, scanner/scan | device, capture, format, framing, focal point, subject, foreground, editing, filter, Pixl, matter, | emotions, rhythm, pulse, tempo, edit | organise, data, object, enter, data, attribute, | sequence, unambiguous, algorithm, debugging, | sequence, command, debug, |
| Y3&4 | **Autumn**  **Through The Ages** | | **Spring**  **Rocks, Relics and Rumbles** | | **Summer**  **Emperors and Empires** | |
| Units Covered | COMPUTING SYSTEMS & NETWORKS  The internet  *(Digital Literacy)* | CREATING MEDIA  Audio editing  *(Information Technology)* | CREATING MEDIA  Photo editing  *(Information Technology)* | DATA & INFORMATION  Data logging  *(Information Technology)* | PROGRAMMING  Repetition in shapes  *(Computer Science)* | PROGRAMMING  Repetition in games  *(Computer Science)* |
| Y3  Tier 2 | security, use, honest, | start, stop, evaluate, | colours | conclusion | pattern, repeat, |  |
| Y3  Tier 3 | internet, network, router, network router, website, web page, browser, World Wide Web, content, links, files, download, sharing, adverts | audio, record, playback, microphone, speaker, headphones, save, file, MP3, | image, edit, arrange, select, digital, undo, save, search, flip, adjustments, effects, , sepia, recolour, magic wand, brighten, fake, real, background, foreground, paste, publication, border, layer | data, sensor, data logger, logging interval, analyse, import, export, logged, collection, | program, turtle, code, algorithm, design, debug, logo commands, | scratch, programming, sprite, blocks, code, animate, costume, event block, duplicate, modify, debug, evaluate, algorithm |
| Y4  Tier 2 | accurate, | feedback |  | analyse, review, |  | refine, evaluate, |
| Y4  Tier 3 | network switch, wireless access point (WAP), web address, router, routing, route tracing, ownership, permission, | input, output, podcast, selection, edit, mixing, time shift, export, | copyright, composition, crop, pixels, rotate, hue/saturation, version, illustrator, clone, sharpen, composite, retouch, alter, elements, original, font style, | table (layout), input device, data point, | commands, snippet, repetition, count-controlled loop, value, decompose, procedure | loop, repeat, value, forever, infinite loop, count-controlled loop, algorithm |
| Y5&6  Cycle A | **Autumn**  **Dynamic Dynasties** | | **Spring**  **Sow Grow and Farm** | | **Summer**  **Groundbreaking Greeks** | |
| Units Covered | COMPUTING SYSTEMS & NETWORKS  Communication  *(Digital Literacy)* | CREATING MEDIA  3D modelling  *(Information Technology)* | CREATING MEDIA  Web page creation  *(Information Technology)* | DATA & INFORMATION  Spreadsheets  *(Information Technology)* | PROGRAMMING  Selection in physical computing  *(Computer Science)* | PROGRAMMING  Sensing  *(Computer Science)* |
| Y5  Tier 2 |  |  |  |  |  |  |
| Y5  Tier 3 | Search, search engine, Google, Bing, Yahoo, Swisscows, DuckDuckGo, refine. index, crawler, bot, optimisation, links, web crawlers, content creator, ranking, communication, internet, public, private, one-way, two-way, one-to-one, one-to-many, SMS, email, WhatsApp, blog, YouTube, Twitter, BBC Newsround | 2D, 3D, 3D object, 3D space, view, resize, colour, lift, rotate, position, select, duplicate, dimensions, placeholder, hole, group, ungroup, modify, evaluate, improve | Website, web page, browser, media, Hypertext Markup Language (HTML), layout, header, media, purpose, copyright, fair use, evaluate, preview, device, breadcrumb, trail, navigation, hyperlink, subpage, implication, external link, embed | Spreadsheet, data, data heading, data set, cells, columns and rows, data item, format, common attribute, formula, calculation, call reference, sigma, graph, evaluate, results, comparisons, questions, software, tools, data, propose | Variable, change, name, value, set, design, algorithm, code, task, artwork, program, project, code, test, debug, improve, evaluate, share | Micro-bit, MakeCode, input, process, output, flashing, USB, selection, condition, if… then… else, variable, random, navigation, design, task, step counter, plan, create, code, test, debug |
| Y6  Tier 2 |  |  |  |  |  |  |
| Y6  Tier 3 | Search, search engine, Google, Bing, Yahoo, Swisscows, DuckDuckGo, refine. index, crawler, bot, optimisation, links, web crawlers, content creator, ranking, communication, internet, public, private, one-way, two-way, one-to-one, one-to-many, SMS, email, WhatsApp, blog, YouTube, Twitter, BBC Newsround | 2D, 3D, 3D object, 3D space, view, resize, colour, lift, rotate, position, select, duplicate, dimensions, placeholder, hole, group, ungroup, modify, evaluate, improve | Website, web page, browser, media, Hypertext Markup Language (HTML), layout, header, media, purpose, copyright, fair use, evaluate, preview, device, breadcrumb, trail, navigation, hyperlink, subpage, implication, external link, embed | Spreadsheet, data, data heading, data set, cells, columns and rows, data item, format, common attribute, formula, calculation, call reference, sigma, graph, evaluate, results, comparisons, questions, software, tools, data, propose | Variable, change, name, value, set, design, algorithm, code, task, artwork, program, project, code, test, debug, improve, evaluate, share | Micro-bit, MakeCode, input, process, output, flashing, USB, selection, condition, if… then… else, variable, random, navigation, design, task, step counter, plan, create, code, test, debug |