****

**Long Term Plan for Computing 24/25**

**Havannah First School Computing Topic Coverage**

Our curriculum is coverage is designed to address the three main strands of the Computing curriculum.

Digital Literacy – The skills, knowledge and understanding in order to participate fully and safely in our digital world.

Computer science - How computers and their systems work, are designed and programmed.

Information Technology – Using computers or physical devices for functional purposes, such as collecting and presenting information, or using search technology.

Although discretely taught in the Autumn term, Digital Literacy should be interwoven within **every** Computing lesson.

E-safety to also be taught within PSHE lessons, **golden rules** and through a whole-school focus when it is Safer Internet Day.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **R** | Continuous provision linked to technology, accessible throughout the year:Remote control cars & Beebots:programming using positional language.iPads: Exploring/Tinkering with an app set up by class teacher.  | Continuous provision linked to technology, accessible throughout the year:Remote control cars & Beebots:programming using positional language.iPads: Exploring/Tinkering with an app set up by class teacher. Smartboard: ICT games**Digital Literacy** SWGflL Project EvolveSelf-image and identityOnline RelationshipsHealth, well-being and lifestylePrivacy and security | Continuous provision linked to technology, accessible throughout the year:Remote control cars & Beebots:programming using positional language.iPads: Exploring/Tinkering with an app set up by class teacher. Smartboard: ICT games**Digital Literacy** SWGflL Project EvolveOnline BullyingOnline reputationManaging online informationCopyright and Ownership | Continuous provision linked to technology, accessible throughout the year:Remote control cars & Beebots:programming using positional language.iPads: Exploring/Tinkering with an app set up by class teacher. Smartboard: ICT games**Computer Science**Using the Beebots and Micebots | Continuous provision linked to technology, accessible throughout the year:Remote control cars & Beebots:programming using positional language.iPads: Exploring/Tinkering with an app set up by class teacher. Smartboard: ICT games**Information Technology****Using the camera app and photo album app****Scanning QR codes** **Sign in/out of Seesaw****Book Creator-Insert pen drawing, use different pen colours, add pages****Green Screen opportunities** | Continuous provision linked to technology, accessible throughout the year:Remote control cars & Beebots:programming using positional language.iPads: Exploring/Tinkering with an app set up by class teacher. Smartboard: ICT games**Information Technology****Using the camera app and photo album app****Scanning QR codes** **Sign in/out of Seesaw****Book Creator-Insert pen drawing, use different pen colours, add pages****Green Screen opportunities** |
| **Y1** | **Digital Literacy****SWGfL Project Evolve**Self-image and identityOnline RelationshipsHealth, well-being and lifestylePrivacy and security | **Digital Literacy****SWGfL Project Evolve**Online BullyingOnline reputationManaging online informationCopyright and Ownership**iPad core skills:****Locking/unlocking ipad****Opening a specific app and navigating back to home screen****Learning how to operate the camera to take photos and videos.** | **Computer Science****Barefoot** -Sharing sweets-Creating Patterns**Code.Org**Course A | **Computer Science****Bee-Bots/Mice bots**1 or 2 Tinkering lessons4/5 Challenges**Progression:**Using arrows and icons, Printable unplugged, using floor robots | **Information Technology****Seesaw**Signing in & outUploading DocumentsRecording voice comments**Pic Collage**Insert photographsInsert textChange text size and colour**Green Screen opportunities** | **Information Technology****Book Creator**Insert photo from iPadInsert camera photoResize photo**Laptop core skills:****Power on/off****Log onto a laptop with a given username/password****Learning where keys are located on the keyboard** |
| **Y2** | **Digital Literacy****SWGfL Project Evolve**Self-image and identityOnline RelationshipsHealth, well-being and lifestylePrivacy and security**iPad core skills:****Home button/Returning to home screen****Opening smoothwall****Opening key apps****Operating camera app** | **Digital Literacy****SWGfL Project Evolve**Online BullyingOnline reputationManaging online informationCopyright and Ownership**Laptop core skills:****Power on/off****Log on/log off****Open google chrome** | **Computer Science****Barefoot** -Crazy character algorithms-Spelling rules activity**Code.org**Course B | **Computer Science****Micro:bits**-Heart-Beating Heart**Scratch Jnr**Unplugged, physical, directional languagePrintable ‘unplugged’ versions of code blocksUsing Scratch Jnr app to design quizzes or animations | **Information Technology****Book Creator**Insert text boxFormat text colourFormat text sizeFormat text colourFormat text alignment**I can animate** | **Information Technology****Word Processing**Opening word documentEntering text – basic typing skillsUnderstand and use capital and lower case Saving and retrieving a word document**Powerpoint**Add text to a single slideSave and retrieve powerpoint |
| **Y3** | **Digital Literacy****SWGfL Project Evolve**Self-image and identityOnline RelationshipsHealth, well-being and lifestylePrivacy and security | **Computer Science****Barefoot**-Pizza Pickle-Tut, clap or jive**Code.org**Course C**Laptop core skills-****Log on/log off****Open google chrome and search for a website****Open up Microsoft document****Saving/Retrieving a piece of work** | **Digital Literacy****SWGfL Project Evolve**Online BullyingOnline reputationManaging online informationCopyright and Ownership**iPad core skills –****Open/closing apps****Searching for an app by pulling down on the home screen****Navigating smooth wall – searching for website/adding new tab** | **Information Technology****Book Creator**Change text box colourChange page colourExport to ibooks**Comic Life**Add, resize, organise characters/objects to different panels**Stop motion**Using plastercine | **Information Technology****Word**Continue to develop typing skills (including typing speed, wider range of appropriate punctuation (e.g. speech marks, commas etc.) Insert tables, images and word art**PowerPoint**Add text and picturesCreate multiple slides as part of a slideshow Add animation to slides -understand and use transitions | **Computer Science****Micro:bits**Get sillyFlashing emotionsSunlight sensorName badge**Scratch**Unplugged, using storyboards or comicsPrintable ‘unplugged’ version of code blocksUsing Scratch to design quizzes and animations |
| **Y4** | **Digital Literacy****SWGfL Project Evolve**Self-image and identityOnline RelationshipsHealth, well-being and lifestylePrivacy and security | **Computer Science****Barefoot**World Map LogicBug in the water cycle**Code.org**Course D | **Digital Literacy****SWGfL Project Evolve**Online BullyingOnline reputationManaging online informationCopyright and Ownership | **Information Technology****Book creator**Insert shapesFormat shape colourFormat shape border colourFormat text: bold, italics, underlineFormat text: shadow**Stop motion**Using plastercine - competitions | **Information Technology****Word**Format text including font and paragraph justification.Alter page orientationCut, copy and paste**PowerPoint**Develop content by developing the theme of slides including background colour and animation.Understand and use transitionsAdd music to slides | **Computer Science****Microb:bits**Rock, paper, scissorsGraphical DiceThermometer**Scractch**Unplugged, games in PE that involve the same sequence or drawing shapes in real lifePrintable ‘unplugged’ version of code blocsUsing scratch to play music or repeating animations |

**Visits, Visitors, Enrichment**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **R** | **Magnificent Me!**Starting school / my new class**All about me**BirthdaysHalloweenPSED focus - relationships/feelings | **Let’s Celebrate**Celebrations/SpaceBonfire NightDiwaliSpaceChristmasDay/Night – People who help us | **Our Amazing World**WinterAntarcticaChinese New YearSuperheroes**GEM Education – Working with robotic cars** | **Amazing Animals**AnimalsEaster | **Marvellous Minibeasts**GrowthMinibeastsFairies/knights/fantasy | Traditional Tales**Seaside**Pirates |
| **Y1** | **Digital Literacy** | **Digital Literacy** | **Computer Science** | **Computer Science****GEM Education – Working with Micebots** | **Information Technology** | **Information Technology** |
| **Y2** | **Digital Literacy** | **Digital Literacy**  | **Computer Science** | **Computer Science** | **Information Technology** **GEM Education – Working with the Book Creator app** | **Information Technology** |
| **Y3** | **Digital Literacy** | **Digital Literacy** | **Computer Science** | **Computer Science** | **Information Technology****GEM Education – Working with Microbits – Carousel Project** | **Information Technology** |
| **Y4** | **Digital Literacy** | **Computer Science** | **Digital Literacy** | **Information Technology** | **Information Technology** | **Computer Science****GEM Education- CAD CAM Project – computer aided design to create own key rings** |