

RYHALL CE ACADEMY COMPUTING OVERVIEW

IT (Information Technology), Computer Science (CS), DL (Digital Literacy including Online-Safety)



2022-23

| YEAR GROUP | AUTUMN TERM 1 and Term 2 | | SPRING Term 3 and Term 4 | | SUMMER Term 5 and Term 6 | |
|------------|--|--|--|---|---|---|
| 1 | DL- Unit 1.1 Online Safety (4weeks) | IT- Unit 1.3 Pictograms (3 weeks) | CS- Unit 1.4 Lego builders (3weeks) | IT-Unit 1.6 Animated story books (5 weeks) | CS & IT- Unit 1.7 Coding (6 weeks) | IT- Unit 1.8 Spreadsheets (3 weeks) |
| | CS- Unit 1.2 Grouping and sorting (2weeks) | | CS- Unti 1.5 Maze explorers (3weeks) | | | DL- Unit 1.9 Technology outside of school (2weeks) |
| 2 | CS- Unit 2.1 Coding (5 weeks) | DL- Unit 2.2 Online safety (3 weeks) | IT- Unit 2.3 Spreadsheets (4 weeks)) | IT- Unit 2.4 Questioning (5weeks) | IT- Unit 2.6 Creating pictures (5 weeks) | IT- Unit 2.7 Making Music (3 weeks) |
| | | | | IT & DL- Unit 2.5 Effective searching (3 weeks) | | IT- Unit 2.8 Presenting Ideas (4 weeks) |
| 3 | CS- Unit 3.1 Coding (6 weeks) | DL- Unit 3.2 Online safety (3 weeks) | IT- Unit 3.4 Touch typing (4 weeks) | CS, DL & IT- Unit 3.5 Email (including email safety) (6 weeks) | IT- Unit 3.6 Branching databases (4 weeks) | IT- Unit 3.8 Graphing (3 weeks) |
| | | IT- Unit 3.3 Spreadsheets (3 weeks) | | | | IT- Unit 3.7 Simulations (3weeks) |

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| 4 | CS- Unit 4.7 Effective search (3 weeks) | CS- Unit 4.2 Online safety (4 weeks) | IT- Unit 4.3 Spreadsheets (6 weeks) | IT- Unit 4.4 Writing for different audiences (5weeks) | CS- Unit 4.5 Logo (4 weeks) | CS & IT- Unit 4.1 Coding (6 weeks) |
| | CS- Unit 4.8 Hardware investigators (2 weeks) | | | | IT- Unit 4.6 Animation (3weeks) | |
| 5 | CS, IT -Unit 5.1 Coding (6 weeks) | CS & DL- Unit 5.2 Online safety (3 weeks) | IT- Unit 5.3 Spreadsheets (6 weeks) | CS & IT- Unit 5.5 Game generator (5 weeks) | IT- Unit 5.6 3D modelling (4 weeks) | IT- Unit 5.8 (optional) Word processing (word doc) (8 lessons) |
| | | IT- Unit 5.4 Databases (4 weeks) | | | IT- Unit 5.7 Concept maps (4 weeks) | |
| 6 | CS & IT- Unit 6.1 Coding (6 weeks) | CS, IT & DL- Unit 6.2 Online safety (2 weeks) | CS, IT & DL- Unit 6.4 Blogging (5 weeks) | CS & IT- Unit 6.9 (optional) Spreadsheets with excel (8 lessons) | CS- Unit 6.6 Networks (3 weeks) | IT- Unit 6.7 Quizzing (6 weeks) |
| | | IT- Unit 6.3 Spreadsheets (5 weeks) | CS & IT- Unit 6.5 Text adventures (5 weeks) | | Unit 6.8 (optional) Understanding binary (4 lessons) | |

Theme Key:

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| Coding and computational thinking | spreadsheets | Internet and email | Art and design | Music | Databases and graphing | Writing and presenting | Communication and networks |
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