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| **Term ADVENT 1**  **Subject: Computers Year 2 Medium Term Planning** | | | | | | |
| **National Curriculum Objectives**   * Use technology purposefully to create, organise, store, manipulate, and retrieve digital content. * Recognise common uses of information technology beyond school * Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies * Education for a Connected World links * Health, well-being, and lifestyle * I can identify rules that help keep us safe and healthy in and beyond the home when using technology | | | | | | |
|  | Lesson 1 | Lesson 2 | Lesson 3 | Lesson 4 | Lesson 5 | Lesson 6 |
| **Learning intention for each lesson:** | I know the uses and features of information technology  (Substantive knowledge) | I know the uses of information technology in the school  (Substantive knowledge) | I know how to identify information technology beyond school  (Disciplinary knowledge) | I know how information technology helps us  (Disciplinary knowledge) | I know how to use how to use information technology safely  (Disciplinary knowledge) | I know that choices are made when using information technology  (Substantive knowledge) |
| **Recall and retrieval** | .Introduce new vocabulary | What is technology used for in our world? | List 4 pieces of technology used in school. | List 4 pieces of technology used in the world. | Odd one out: How technology helps us. | E safety scenario. |
| **Sequence of knowledge throughout the lesson** | * Know that IT stands for Information Technology * l know that information technology as being a computer or something that is made to work with computers. * know what devices are considered to be ‘computers’ - laptops, tablets, desktop computers etc. * l know what computers are used for | * Know the the difference between objects that are IT and not IT * Know examples of IT around school. | * Technology in our world- TRIP TO TESCO * Learning how technology is used in the world around us- Different types of technology used n a supermarket/ traffic signal/pedestrian crossing. * Know that IT is not used in certain areas of the world - natural areas * Know that IT is used around the world - in offices, shops, factories etc * Know the types of IT used in shops * Know that products have a barcode * Know that the IT reads the barcode and recognises the item * Know that the scanner on the till identifies the product and knows the price * Know that the barcode is also a way of knowing which products sell the most/least * Know that the barcode also helps with the management of stock * Know that bank cards have a chip which IT reads to make a payment | | * Know how to use IT equipment responsibly. * Know that there are rules when using IT to keep them safe * Know that they need to keep passwords safe * Know not to share personal information when online * Know that they have to have someone’s permission to take their photo * Know not to be unkind online | * Know that there are choices when using IT * Know that IT must be used responsibly * Know how to keep ‘healthy’ when using IT |
| **Scaffolding** | Supported for reading and speaking | Supported questioning about what they are identifying. | Reinforced descriptions and explanations. | | Right or wrong senarios | 2 ways of staying healthy online. |
| **Challenge** | Independent observations. | Independent observations. | Explain to others the purpose of different technology and how it is useful. | | List and explain many ways of keeping safe online. | Many ways of keeping healthy when using IT. |
|  | **Key Vocabulary**  Information technology (IT), computer | **Key Vocabulary**  Information technology (IT) | **Key Vocabulary**  Information technology (IT), computer | **Key Vocabulary**  information technology (IT), computer, barcode, scanner/scan | **Key Vocabulary**  Information technology | **Key Vocabulary**  Information technolog**y** |