

Subject	Y7 Threshold Knowledge – Autumn/Spring/Summer term	How to support students' learning
IT	<p>Autumn Term Getting started & Digital Citizenship -</p> <ol style="list-style-type: none"> 1. Log into the school's network resources and access software. 2. Independently send emails. 3. Create and organise files and folders both on the school server and in the cloud. 4. Demonstrate safe practices when using the Internet. 5. Use different common keyboard shortcut keys. 6. Demonstrate basic keyboard and mouse operations to perform actions. 7. Identify situations involving cyberbullying and know how to deal with them. 8. Know different types of social media platform and identify the risks with using them. 9. Know what is meant by fake news, why people publish it and how to spot it. 10. Know what is meant by phishing and online scams and what can be done to avoid being a victim. 	<ul style="list-style-type: none"> • Ask your child to independently login to Office 365/MS Teams/Class Charts frequently to ensure their login details are accurate and to demonstrate self-reliance. • Independently update their passwords at least every term to keep them secure and private. • Discuss privacy settings on accounts and apps, to help your child understand the importance of protecting their identity and data online. • Use the BBC Bitesize website section on eSafety: https://www.bbc.co.uk/bitesize/guides/zrtrd2p/revison/3 to review knowledge and complete the fun quizzes. • Useful information and videos to explain different aspects of digital citizenship: https://mediasmarts.ca/digital-media-literacy/general-information/digital-media-literacy-fundamentals/what-digital-citizenship • Additional advice on being safe on social medias: https://www.ncsc.gov.uk/guidance/social-media-how-to-use-it-safely • Additional advice on fake news: https://www.internetmatters.org/issues/fake-news-and-misinformation-

	<p>Spring Term Spreadsheets -</p> <ol style="list-style-type: none"> 11. Understand why spreadsheets are used to store data. 12. Understand the use of cells in spreadsheets. 13. Format a spreadsheet to make it clear and easy to understand. 14. Use formatting techniques including merged cells, text alignment, number formats, and fill handle effectively. 15. Understand the difference between formulas and functions. 16. Use a range of basic formulae to manipulate data. 17. Write a range of basic functions including SUM, AVERAGE, MIN and MAX. 18. Understand the purpose of charts and why they are used to represent data. 19. Know the difference between a bar chart, pie chart and, line chart. 20. Demonstrate proficiency in the use of spreadsheets to handle data in a variety of situations. <p>Summer Term Scratch Skills & Project -</p> <ol style="list-style-type: none"> 21. Program a sprite to move, such as using a random number. 22. Understand what events are and how to use them in Scratch. 23. Put a sequence of instructions in order. 24. Know how to use different mathematical operations when coding. 25. Know how to program a sprite to repeat a certain number of times (Count Controlled Iteration). 26. Know how to make a sprite repeat until something happens (Condition Controlled Iteration). 	<p>advice-hub/learn-about-fake-news-to-support-children/</p> <ul style="list-style-type: none"> • Additional advice on online scams: https://abilitynet.org.uk/factsheets/internet-scams-and-how-avoid-them • Additional advice on copyright laws: https://www.bbc.co.uk/bitesize/guides/zchcwmn/revision/1 • Assist students in creating their own spreadsheets for budgeting their pocket money, or logging their sports teams' achievements, practicing the different formulas, functions and formatting skills learnt. • Use the BBC Bitesize website section on spreadsheets: https://www.bbc.co.uk/bitesize/guides/zdydmp3/revision/1 Useful shortcuts for Excel: https://www.simplilearn.com/tutorials/excel-tutorial/excel-shortcuts • Useful video to explain the main functions of Excel: https://www.youtube.com/watch?v=mLzHd1XSTbk • Encourage your child to practice Scratch programming skills using: https://scratch.mit.edu/ideas • Use the BBC Bitesize information to reinforce learning on sequencing in this topic: https://www.bbc.co.uk/bitesize/guides/zsf8d2p/revision/1
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	<p>27. Create conditions that use comparison operators (>, <, =).</p> <p>28. Know how to create own assets for use in a game.</p> <p>29. Demonstrate the use of different programming techniques.</p> <p>30. Independently design and apply programming constructs to solve a problem (subroutine, selection, count-controlled iteration, operators, and variables).</p>	<ul style="list-style-type: none"> • Use the BBC Bitesize information to reinforce learning on selection in this topic: https://www.bbc.co.uk/bitesize/guides/zy3q7ty/revision/1 • Use the BBC Bitesize information to reinforce learning on Iteration in this topic: https://www.bbc.co.uk/bitesize/guides/zg46tfr/revision/1
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