


















SUPER-CURRICULAR ACTIVITIES

COMPUTER SCIENCE

Year 9

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|  Read the book 'Computational Fairy Tales' by Jeremy Kubica. |  Prepare and lead a short lesson of 30 minutes on a Computing topic of your choice. |  Watch a clip on BBC Click. Follow Link 1 (below) |
|  Read a magazine on the CS4FN website. There is a range of fun and intriguing articles and puzzles. Follow Link 2 (below) |  Have some fun learning how to break code and solve ciphers on the Alan Turing Cryptography Competition by going onto the archive. Follow Link 3 (below) |  Write an article about Facial Recognition that could be published in one of the CS4FN magazines. |
|  Go onto the website given and choose an activity from binary representation to looking at artificial intelligence. Follow Link 4 (below). |  Practice some Python techniques on HackerRank by following the instructions. Follow Link 5 (below) |  Listen to a Podcast on Science and Technology. Follow Link 6 (below) |
|  Go onto the website given and sign up to create a website/database. Follow Link 7 (below) |  Watch the Imitation Game movie to learn about the Enigma code. |  Create a Podcast on the topic of how the world of technology is ever-evolving. |
|  Visit the Museum of Technology in Hertfordshire to look at the technological revolution since the 1850s. |  Make a prototype of a new upcoming technological idea that you would like to launch in the next five years. Go to CES Channel on YouTube for ideas. |  Create a pop-up book about 'how the computer works.' |

Links to websites used in this Super-Curricular Activities sheet:

Link 1: <https://www.bbc.co.uk/iplayer/episodes/b006m9ry/click>

Link 2: <http://www.cs4fn.org>











Link 3: https://www.maths.manchester.ac.uk/cryptography_competition_2018/

Link 4: <https://classic.csunplugged.org/activities/>

Link 5: <https://www.hackerrank.com/domains/python>

Link 6: <https://www.bbc.co.uk/programmes/w13xttz/episodes/downloads>

Link 7: <https://www.khanacademy.org/hourofcode>

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|  | Reading task |  | Creative task |  | Watching task |  | Student-led task |
|  | Research task |  | Writing task |  | Listening task |  | Trip or visit |
|  | Typing task |  | Numeracy task | | | | |