Year 7 work

Please choose one or more of the activities that are set for each week you can upload your work to your team on Microsoft Teams or alternatively email it to you ICT teacher. If you have finished the activity that you have chosen for the week then you could try another one!

If you have problems with logging on to iDEA there is a help sheet.

Computer Science Year 7 Choice Board

WC 15/06/20

|  |  |  |  |
| --- | --- | --- | --- |
| Problem Solving | Creative Projects | Increasing Knowledge | Skills |
| Problem Solving | **Newspaper** | **Computational Thinking** | **Decomposition Party** |
| Log into IDEA and complete 15 points on your Citizen IDEA Award. Make sure that you have linked to your teacher with the class code.  See sign in help sheet  [www.idea.org.uk](about:blank) | Create the front page for a newspaper with a fake news story. Include images, headlines and structure it like a real front page.  Consider – content, columns, images, captions, colour.  Try using [https://newspaper.jaguarpaw.co.uk/](about:blank) | Click on the link and complete the activities on this page.  [https://www.bbc.co.uk/bitesize/articles/z4n7mfr](about:blank) | Imagine I have asked you to organise a party for 50 people with food, drinks and entertainment.  Decompose this task and make a list of all of the things you would have to do to make sure your party went with a bang!  [https://www.youtube.com/watch?v=rxsYpP2-omg](about:blank) |

Computer Science Year 7 Choice Board

W/C 22/06/20

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| --- | --- | --- | --- |
| Problem Solving | Creative Projects | Increasing Knowledge | Skills |
| **IDEA** | **Hamma Beads** | **Conditional Formatting** | **Binary** |
| Log into IDEA and complete 15 points on your Citizen IDEA Award. Make sure that you have linked to your teacher with the class code.  See sign in help sheet.  [www.idea.org.uk](about:blank) | If you have Hamma beads at home create an image using the beads as pixels, or use PixleDraw, take a photograph and email it to your teacher | If you have Excel try making this spreadsheet that you can use to make your own image maker on the computer using conditional formatting. Use this guide  [https://www.youtube.com/watch?v=nWUZGzaPmHk&list=PLVel-j4G9rqJMZ4S9dNOajik9QJmndcrv&index=3](about:blank) | Click on the link and play the binary games for 20 mins today and 20 mins tomorrow  [https://games.penjee.com/binary-numbers-game/](about:blank)  [https://games.penjee.com/binary-bonanza/](about:blank) |

Computer Science Year 7 Choice Board W/C 29/06/20

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| --- | --- | --- | --- |
| Problem Solving | Creative Projects | Increasing Knowledge | Skills |
| **IDEA** | **Lightbot** | **Firewalls** | **Hour of Code** |
| Log into IDEA and complete 15 points on your Citizen IDEA Award. Make sure that you have linked to your teacher with the class code.  See sign in help sheet  [www.idea.org.uk](about:blank) | Click on this link and complete the activities in Lightbot  [https://lightbot.com/hour-of-code.html](about:blank) | Carry out some research and find the answers to the following questions.  What is a firewall?  What does it do?  What is it a good idea to use one?  Are they hardware or software? | Click on the link and complete an hour of Code choose Grades 6-8  [https://hourofcode.com/uk/learn](about:blank) |

Computer Science Year 8 Choice Board W\C 06/07/20

|  |  |  |  |
| --- | --- | --- | --- |
| Problem Solving | Creative Projects | Increasing Knowledge | Skills |
| **IDEA** | **Cartoon Character** | **Algorithms** | **Typing** |
| Log into IDEA and complete 15 points on your Citizen IDEA Award. Make sure that you have linked to your teacher with the class code.  See sign in help sheet  [www.idea.org.uk](about:blank) | Design a new cartoon character.  Draw them out and label their features.  Draw them from the front, side, back and offset.  You could even do this online at [www.doppleme.com](about:blank)  [www.Avatarmaker.com](about:blank) | An Algorithm is just some clear step by step instructions. Write an algorithm to tidy your room or to cook something. You could type this up on the computer and add relevant images.  [https://www.youtube.com/watch?v=kM9ASKAni\_s](about:blank) | Click on the link below and try your hand at improving your keyboard skills.  [https://www.typing.com/en-gb](about:blank) |

Computer Science Year 7 Choice Board W\C 13/06/20

|  |  |  |  |
| --- | --- | --- | --- |
| Problem Solving | Creative Projects | Increasing Knowledge | Skills |
| **Computational Thinking** | **Newspaper** | **iDEA** | **Decomposition Party** |
| Click on the link and complete the activities on this page.  [https://www.bbc.co.uk/bitesize/articles/z4n7mfr](about:blank) | Create the front page for a newspaper with a fake news story. Include images, headlines and structure it like a real front page.  Consider – content, columns, images, captions, colour.  Try using [https://newspaper.jaguarpaw.co.uk/](about:blank) | Log into IDEA and complete 15 points on your Citizen IDEA Award. Make sure that you have linked to your teacher with the class code.  See sign in help sheet.  [www.idea.org.uk](about:blank) | Imagine I have asked you to organise a party for 50 people with food, drinks and entertainment.  Decompose this task and make a list of all of the things you would have to do to make sure your party went with a bang!  [https://www.youtube.com/watch?v=rxsYpP2-omg](about:blank) |