Year 8 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.

I would like you to work on the Worker part of the iDEA badges, if you are working on iDEA, as that covers work that we should have been covering.

Computer Science Year 8 Choice Board

WC 15/06/20

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| --- | --- | --- | --- |
| Problem Solving | Creative Projects | Increasing Knowledge | Skills |
| **IDEA** | **Online Safety** | **Internet of Things** | **Scratch Coding** |
| Log into IDEA and complete 15 points on your **Worker** 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) | Make a poster to tell Year 7 students how to keep themselves safe wen they are online. You must include information on where to go if they need help. | Carry out some research and write a paragraph to explain what is meant by the Internet of Things. Explain how it works.  [https://www.youtube.com/watch?v=BQzBpUdHvi4](about:blank)  [https://www.youtube.com/watch?v=QSIPNhOiMoE](about:blank)  [https://www.youtube.com/watch?v=uEsKZGOxNKw](about:blank) | Click on this link and complete any of the lessons  [https://teachcomputing.org/home-teaching/key-stage-2](about:blank) |

Computer Science Year 8 Choice Board

WC 22/06/20

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| --- | --- | --- | --- |
| Problem Solving | Creative Projects | Increasing Knowledge | Skills |
| **IDEA** | **Pixel Art** | **BBC Click** | **Codecademy** |
| Log into IDEA and complete 15 points on your Worker 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 make an image using Pixels. Take a screen shot and email it to  your teacher  <https://www.pixilart.com/draw> | Watch an episode of  BBC Click on TV or here [https://www.bbc.co.uk/programmes/b006m9ry/episodes/player](about:blank)  What was it about?  What is the new technology?  What does it do?  How does it work?  Who does it affect?  What are the benefits and drawbacks? | If you like programming click on the link and sign up to codecademy and learn Python 3  [https://www.codecademy.com/learn/learn-python-3](about:blank) |

Computer Science Year 8 Choice Board Week 29/06/20

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| Problem Solving | Creative Projects | Increasing Knowledge | Skills |
| **IDEA** | **Blog** | **Firewalls** | **Hour of Code** |
| Log into IDEA and complete 15 points on your **Worker** 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) | What are you interested in?  What does it involve?  What is it about?  Write a blog about an activity of your choice.  If you fancy make a vlog – a video log about your interest. | 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 WC 06/07/20

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| --- | --- | --- | --- |
| Problem Solving | Creative Projects | Increasing Knowledge | Skills |
| **IDEA** | **Keeping Safe** | **Bitesize** | **Binary** |
| Log into IDEA and complete 15 points on your **Worker** 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) | Make good quality a poster to explain to students what they need to do to keep safe at the minute. Think carefully about the layout and any images you choose. Email to [klindop@helsbyhigh.org.uk](about:blank)  or hand it to your teacher on your return | Click on the link and complete the activities on this page.  [https://www.bbc.co.uk/bitesize/articles/z7798xs](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 8 Choice Board WC 13/07/20

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| Problem Solving | Creative Projects | Increasing Knowledge | Skills |
| **Computational Thinking** | **Newspaper** | **iDEA** | **Code.org** |
| 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) | Click on this link and complete one of the courses  [https://studio.code.org/s/express-2019](about:blank) |