

Spark Penketh Secondary at Home Schedule of Resources – Daily Updates at @SparkPenketh @PenkethSchool

Date	Digital Skill	Activity/Description	Secondary Link	More Information
19-Mar	3D Design CAD	Sign up to TinkerCad and start designing	https://www.tinkercad.com/learn/project-gallery;collectionId=OPC41AJJKIKDWDV	TinkerCad and Create education have been providing support for teachers and the community online for many years. See their statement on support here https://www.createeducation.com/blog/learn-3d-printing-with-free-home-learning-resources-in-the-event-of-covid-19-school-closures/#1584462363464-8df14784-6228
20-Mar	Games Design Computer Science	Sign up to MakeCode and live coding sessions	https://makecode.com/blog/online-learning	MakeCode By Mircosoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning
21-Mar	Visual Special Effects/Game Design	Start Learning how to use the professional Game Design/Visual special effects and VR software Unity	https://learn.unity.com/?_ga=2.1308721.1899476505.1584623938-962877973.1584623938	Unity is a cross-platform game engine developed by Unity Technologies offering free expertise lead lessons over the coming months See more Here - https://unity.com/learn
22-Mar	HTML/CSS	Sign up to Raspberry and start coding in HTML and CSS	https://projects.raspberrypi.org/en/projects/happy-birthday	The Rasberry Pi Community (part of the National Centre for Computing Education) has long been a backbone developing online teaching resources for every teacherSee their statement on support and sign up to the website here : https://projects.raspberrypi.org/en
23-Mar	Games Design/ Computer Science	Learn the basics in Games Design with Makecode Arcade Start with Chase the Pizza/ Happy flower / Lemon Leak	https://arcade.makecode.com/	MakeCode By Mircosoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning
24-Mar	Computer science and much more	Sign up to Code Org and start Express course Learn the basics of computer science and internet safety. At the end of the course, create your very own game or story you can share.	https://studio.code.org/s/express-2019	Sing up to the live teaching with Code Org here : https://code.org/break?utm_source=announcement&utm_medium=email&utm_campaign=remote-resources&utm_term=3.18.20&utm_content=code-break
25-Mar	Idea award - The national digital equivalent of the Duke of Edinburgh Award support by Buckingham Palace	Gain an award! The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Work on your Bronze or	https://idea.org.uk/	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Through our series of online challenges, you can win career-enhancing badges, unlock new opportunities and, ultimately, gain industry-recognised Awards that help you stand out from the crowd. Sign up here https://idea.org.uk/

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		Sliver award by picking 3 badges today. You need 250 points for your bronze and 450 points for your sliver		
26-Mar	Python - Computer Science	Use loops to draw a racetrack and create a racing turtle game in Python. Sort programs demonstrating awareness of simple programming concepts, such as sequencing, repetition, variables, and selection.	https://projects.raspberrypi.org/en/projects/turtle-race	_The Rasberry Pi Community (part of the National Centre for Computing Education) has long been a backbone developing online teaching resources for every teacherSee their statement on support and sign up to the website here : https://projects.raspberrypi.org/en
27-Mar	Computer Science/music	Code a Dance Party to share with your friends!	https://code.org/dance	Sing up to the live teaching with Code Org here :https://code.org/break?utm_source=announcement&utm_medium=email&utm_campaign=remote-resources&utm_term=3.18.20&utm_content=code-break
28-Mar	Games Design/ Computer Science	Galga/Name Tag/ Simple Extensions/Maze Fly your space plane through the oncoming bogey spacecraft !Let's use the image editor to create a cool name tag finally the corgio extension to create a simple platformer.	https://arcade.makecode.com/	MakeCode By Mircosoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning
29-Mar	3d design Mathematics Design technology	In this project you will explore primitive 3D shapes (like boxes, tubes and cylinders) and learn to identify those shapes in a larger design. Using Tinkercad	https://www.tinkercad.com/learn/overview/OXPM7A5IRXTLYOA;collectionId=OY5L5E8IRXTI47Z	Tinkercad is the children's online platform for to learn 3d design given free to access by Autodesk, Inc. the leader in 3D design, engineering and entertainment software in industry. It prepares students for using CAD and constructive solid geometry. HTTP://www.tinkercad.com/dashboard
30-Mar	Idea award - The national digital equivalent of the Duke of Edinburgh Award support by	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for	https://idea.org.uk/	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Through our series of online challenges, you can win career-enhancing badges, unlock new opportunities and, ultimately, gain industry-recognised Awards that help you stand out from the crowd.

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	Buckingham Palace	free. Work on your Bronze or Sliver award by picking 3 badges today. You need 250 points for your bronze and 450 points for your sliver		
31-Mar	Computer Science/Maths	Learn how to make your own encryption program in python	https://projects.raspberrypi.org/en/projects/secret-messages	The Rasberry Pi Community (part of the National Centre for Computing Education) has long been a backbone developing online teaching resources for every teacherSee their statement on support and sign up to the website here : https://projects.raspberrypi.org/en
01-Apr	Code Org	Learn about artificial intelligence (AI), machine learning, training data, and bias, while exploring ethical issues and how AI can be used to address world problems.	https://code.org/oceans	Sing up to the live teaching with Code Org here :https://code.org/break?utm_source=announcement&utm_medium=email&utm_campaign=remote-resources&utm_term=3.18.20&utm_content=code-break
02-Apr	Games Design/ Computer Science	Failing duck/Space destroyer/Jumpy Platform Let's get started by creating a game where your player tries to get out of a maze while there's still time! Then create your own game in the new projects. Share it when your finished	https://arcade.makecode.com/	MakeCode By Mircosoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning
03-Apr	3d design/Mathematics/Design technology	In this lesson you will learn to make a centimetre ruler.	https://www.tinkercad.com/learn/overview/OFN4E3XIYB2H2PN?collectionId=O2C1PXB1Q2KHCOD	TinkerCad is the children's online platform for to learn 3d design given free to access by Autodesk, Inc. the leader in 3D design, engineering and entertainment software in industry. It prepares students for using CAD and constructive solid geometry. HTTps://www.tinkercad.com/dashboard
04-Apr	Idea award	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Work on your Bronze or Sliver award by picking 3	https://idea.org.uk/	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Through our series of online challenges, you can win career-enhancing badges, unlock new opportunities and, ultimately, gain industry-recognised Awards that help you stand out from the crowd.

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		badges today. You need 250 points for your bronze and 450 points for your sliver		
05-Apr	Computer Science/Science/Maths/ Design Technology	Sign Up to Microbit Foundation and start learning how to code using the interactive microbit online simulator	https://microbit.org/projects/make-it-code-it/?filters=beginner	The Micro:bit Educational Foundation is a UK-based not for profit organisation. Established with the support of our founding members (including the BBC) in September 2016 to secure a legacy for the original BBC Make It Digital project. Leading computing resource for teachers sign up here to learn more https://microbit.org/
06-Apr	Games Design/ Computer Science	Learn to program droids and create your own Star Wars game in a galaxy far, far away.	https://code.org/starwars	Sing up to the live teaching with Code Org here :https://code.org/break?utm_source=announcement&utm_medium=email&utm_campaign=remote-resources&utm_term=3.18.20&utm_content=code-break
07-Apr	Computer Science /Maths/Art	Learn to code in Minecraft: Education Edition	https://minecraft.makecode.com/	MakeCode By Microsoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning
08-Apr	Games Design/ Computer Science	Block Games: Hot Air Balloon/Bunny Hop/ Eat the fruit Now using your skills in game design edit the Block Games.	https://arcade.makecode.com/	MakeCode By Microsoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning
09-Apr	3d design/ Mathematics/ Design technology	Learn to make a customized luggage tag using Tinkercad.	https://www.tinkercad.com/learn/overview/O0XHVMIXGFO1D6;collectionId=O2C1PXBIQ2KHCOD	TinkerCad is the children's online platform for to learn 3d design given free to access by Autodesk, Inc. the leader in 3D design, engineering and entertainment software in industry. It prepares students for using CAD and constructive solid geometry.
10-Apr	Idea award	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Work on your Bronze or Sliver award by picking 3 badges today. You need 250 points for your bronze and 450 points for your sliver	https://idea.org.uk/	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Through our series of online challenges, you can win career-enhancing badges, unlock new opportunities and, ultimately, gain industry-recognised Awards that help you stand out from the crowd.

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11-Apr	Computer Science/Python	Create computer generated modern art. You will use functions to write code that you can use repeatedly.	https://projects.raspberrypi.org/en/projects/modern-art	The Rasberry Pi Community (part of the National Centre for Computing Education) has long been a backbone developing online teaching resources for every teacherSee their statement on support and sign up to the website here : https://projects.raspberrypi.org/en
12-Apr	Science/ Computer Science - JavaScript	The problem of plastic filling our oceans continues to worsen. Luckily, you can make your voice heard with code through the Plastic Pollution PSA. After coding a PSA on plastic pollution using JavaScript, you can make a second video about any subject you care about!	https://hourofcode.com/vidcodeplastic	Sing up to the live teaching with Code Org here :https://code.org/break?utm_source=announcement&utm_medium=email&utm_campaign=remote-resources&utm_term=3.18.20&utm_content=code-break
13-Apr	Computer Science/Science/ Maths/ Design Technology	Sign Up to Microbit Foundation and start learning how to code using the interactive microbit online simulator	https://microbit.org/projects/make-it-code-it/?filters=beginner	The Micro:bit Educational Foundation is a UK-based not for profit organisation. Established with the support of our founding members (including the BBC) in September 2016 to secure a legacy for the original BBC Make It Digital project. Leading computing resource for teachers sign up here to learn more https://microbit.org/
14-Apr	Computer Science /Maths/Art	Learn to code in Minecraft: Education Edition	https://minecraft.makecode.com/	MakeCode By Microsoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning
15-Apr	Games Design/ Computer Science	Block Games: Cat Jumper/Level Up/Memory Now using your skills in game design edit the Block Games	https://arcade.makecode.com/	MakeCode By Microsoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning
16-Apr	3d design/ Mathematics/ Design technology	This lesson is all about the work plane and how to make it "work" for you. Plus, we combine everything you've learned in all the Basic lessons	https://www.tinkercad.com/learn/overview/OMPFUS5IYC6JRMPC;collectionId=O2C1PXBIQ2KHCOD	TinkerCad is the children's online platform for to learn 3d design given free to access by Autodesk, Inc. the leader in 3D design, engineering and entertainment software in industry. It prepares students for using CAD and constructive solid geometry.
17-Apr	Idea award	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you	https://idea.org.uk/	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Through our series of online challenges, you can win career-enhancing badges,

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		develop digital, enterprise and employability skills for free. Work on your Bronze or Sliver award by picking 3 badges today. You need 250 points for your bronze and 450 points for your sliver		unlock new opportunities and, ultimately, gain industry-recognised Awards that help you stand out from the crowd.
18-Apr	Science/Computer Science - HTML/CSS	Learn how to code your first website!	https://projects.raspberrypi.org/en/projects/cd-beginner-html-css-sushi	The Rasberry Pi Community (part of the National Centre for Computing Education) has long been a backbone developing online teaching resources for every teacherSee their statement on suppport and sign up to the website here : https://projects.raspberrypi.org/en
19-Apr	Science/Computer Science - HTML/CSS	Create your own typeface using shapes and elements of typography. Type has more elements than you may have realized!	https://hourofcode.com/vidcodetypeface	Sing up to the live teaching with Code Org here :https://code.org/break?utm_source=announcement&utm_medium=email&utm_campaign=remote-resources&utm_term=3.18.20&utm_content=code-break
20-Apr	Games Design	Block Games: Catch/ Eating Princess/ Design your own block game. Now using your skills in game design edit the Block Games and then create your own	https://arcade.makecode.com/	MakeCode By Mircosoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning
21-Apr	3d design/Mathematics/Design technology	In this activity you will follow along with the steps to create a simple house shape.	https://www.tinkercad.com/learn/overview/OG2TEUVIHFH17DT;collectionId=OY5L5E8IRXTI47Z	TinkerCad is the children’s online platform for to learn 3d design given free to access by Autodesk, Inc. the leader in 3D design, engineering and entertainment software in industry. It prepares students for using CAD and constructive solid geometry.
22-Apr	Idea award - The national digital equivalent of the Duke of Edinburgh Award support by Buckingham Palace	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Work on your Bronze or Sliver award by picking 3 badges today. You need 250 points for your bronze	https://idea.org.uk/	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Through our series of online challenges, you can win career-enhancing badges, unlock new opportunities and, ultimately, gain industry-recognised Awards that help you stand out from the crowd.

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		and 450 points for your sliver		
23-Apr	Computer Science HTML/CSS	Create a pixel art editor. As well as using HTML and CSS, you'll learn how to use JavaScript to add interactivity to your project.	https://projects.raspberrypi.org/en/projects/pixel-art	The Rasberry Pi Community (part of the National Centre for Computing Education) has long been a backbone developing online teaching resources for every teacherSee their statement on suppport and sign up to the website here : https://projects.raspberrypi.org/en
24-Apr	Computer Science -Python/ Maths	Use Python to practice performing transformations on the coordinate plane! The lesson includes demonstrations, direct instruction, and challenges that ask students to program and identify various static transformations!	https://hourofcode.com/codesterstp	Sing up to the live teaching with Code Org here :https://code.org/break?utm_source=announcement&utm_medium=email&utm_campaign=remote-resources&utm_term=3.18.20&utm_content=code-break
25-Apr	Computer Science /Maths/Art	Learn to code in Minecraft: Education Edition	https://minecraft.makecode.com/	MakeCode By Mircosoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning
26-Apr	Computer Science/Science/ Maths/ Design Technology	Sign Up to Microbit Foundation and start learning how to code using the interactive mircobit online simulator	https://microbit.org/projects/make-it-code-it/?filters=beginner	The Micro:bit Educational Foundation is a UK-based not for profit organisation. Established with the support of our founding members (including the BBC) in September 2016 to secure a legacy for the original BBC Make It Digital project. Leading computing resource for teachers sign up here to learn more https://microbit.org/
27-Apr	Games Design/Compute r Science/Maths	Start the Intro into CS Course with MakeCode Arcade uses general game concepts such as Sprites, Scene, and Controller to make writing arcade games easier, as well as categories of blocks that are common to other Arcade Products such as Loops, Logic, Variables, and Maths	https://arcade.makecode.com/courses/csintro1/intro	MakeCode By Mircosoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning
28-Apr	3d design/Mathema	In this lesson you will learn to make a ring with simple cylinder shapes.	https://www.tinkercad.com/learn/overview/OEFU95SIYKFZ0ZY?collectionId=O2C1PXBIQ2KHCOD	TinkerCad is the children's online platform for to learn 3d design given free to access by Autodesk, Inc. the leader in 3D design, engineering and entertainment software in industry. It

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	tics/Design technology			prepares students for using CAD and constructive solid geometry.
29-Apr	Idea award - The national digital equivalent of the Duke of Edinburgh Award support by Buckingham Palace	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Work on your Bronze or Sliver award by picking 3 badges today. You need 250 points for your bronze and 450 points for your sliver	https://idea.org.uk/	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Through our series of online challenges, you can win career-enhancing badges, unlock new opportunities and, ultimately, gain industry-recognised Awards that help you stand out from the crowd.
30-Apr	Science/Computer Science - JavaScript	Create a Cat meme generator learning JavaScript functions	https://projects.raspberrypi.org/en/projects/cat-meme-generator	The Rasberry Pi Community (part of the National Centre for Computing Education) has long been a backbone developing online teaching resources for every teacherSee their statement on support and sign up to the website here : https://projects.raspberrypi.org/en
01-May	Science/Computer Science - JavaScript	Creating your own Public Service Announcement. Choose a topic you find important and design you own animated or interactive PSA to share critical information about how to make a positive impact on the world.	https://hourofcode.com/codesterspsa	Sing up to the live teaching with Code Org here :https://code.org/break?utm_source=announcement&utm_medium=email&utm_campaign=remote-resources&utm_term=3.18.20&utm_content=code-break
02-May	Computer science course	Start the Intro into CS 2 Course	https://arcade.makecode.com/courses/csintro2	MakeCode By Mircosoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning
03-May	3d design/Mathematics/Design technology	In this lesson you will learn to make a basic button using cylinder shapes.	https://www.tinkercad.com/learn/overview/OQW3E48IYB2HI9X;collectionId=O2C1PXBIQ2KHCOD	TinkerCad is the children's online platform for to learn 3d design given free to access by Autodesk, Inc. the leader in 3D design, engineering and entertainment software in industry. It prepares students for using CAD and constructive solid geometry.
04-May	Idea award - The national digital equivalent of the Duke of	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you	https://idea.org.uk/	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Through our series of online challenges, you can win career-enhancing badges,

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	Edinburgh Award support by Buckingham Palace	develop digital, enterprise and employability skills for free. Work on your Bronze or Sliver award by picking 3 badges today. You need 250 points for your bronze and 450 points for your sliver		unlock new opportunities and, ultimately, gain industry-recognised Awards that help you stand out from the crowd.
05-May	Computer Science -Python/ Maths	Mu is a very simple to use Python editor and IDE (integrated development environment) for beginners.	https://projects.raspberrypi.org/en/projects/getting-started-with-mu	Mu is a very simple to use Python editor and IDE (integrated development environment) for beginners. It's designed to be as user-friendly and helpful as possible for new Python programmers
06-May	Computer Science - JavaScript	Learn how to program drawings using JavaScript by designing your very own snowman.	https://hourofcode.com/khan	Sing up to the live teaching with Code Org here :https://code.org/break?utm_source=announcement&utm_medium=email&utm_campaign=remote-resources&utm_term=3.18.20&utm_content=code-break
07-May	Computer Science /Maths/Art	Learn to code in Minecraft: Education Edition	https://minecraft.makecode.com/	MakeCode By Microsoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning
08-May	Computer Science - JavaScript	Move from Blocks to JavaScript in the intro to CS course 3	https://arcade.makecode.com/courses/csintro3	MakeCode By Microsoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning
09-May	3d design/Mathematics/Design technology	In this lesson you will learn to combine several simple shapes into a duffel button.	https://www.tinkercad.com/learn/overview/OYGK7F8IYEQ4BP0;collectionId=O2C1PXBIQ2KHCOD	TinkerCad is the children's online platform for to learn 3d design given free to access by Autodesk, Inc. the leader in 3D design, engineering and entertainment software in industry. It prepares students for using CAD and constructive solid geometry.
10-May	Idea award - The national digital equivalent of the Duke of Edinburgh Award support by Buckingham Palace	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Work on your Bronze or Sliver award by picking 3 badges today. You need 250 points for your bronze and 450 points for your sliver	https://idea.org.uk/	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Through our series of online challenges, you can win career-enhancing badges, unlock new opportunities and, ultimately, gain industry-recognised Awards that help you stand out from the crowd.

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11-May	HTML, CSS, and JavaScript to produce browser-based content	Create a Spot the Difference game with a big surprise, to scare all your friends.	https://projects.raspberrypi.org/en/projects/scary-spot-the-difference	_The Rasberry Pi Community (part of the National Centre for Computing Education) has long been a backbone developing online teaching resources for every teacherSee their statement on support and sign up to the website here : https://projects.raspberrypi.org/en
12-May	Science/Computer Science	Part of the UN Sustainable Development Goals project, this coding prompt shows off projects exploring issues surrounding recycling and reuse.	https://hourofcode.com/tynkerpro	Sing up to the live teaching with Code Org here :https://code.org/break?utm_source=announcement&utm_medium=email&utm_campaign=remote-resources&utm_term=3.18.20&utm_content=code-break
13-May	Computer Science /Maths/Art	Learn to code in Minecraft: Education Edition	https://minecraft.makecode.com/	MakeCode By Microsoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning
14-May	Computer Science - JavaScript	JavaScript Games: Planet putt putt/darker duck/ping	https://arcade.makecode.com/	MakeCode By Microsoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning
15-May	3d design/Mathematics/Design technology	If you were a superhero, what would your super suit look like?	https://www.tinkercad.com/learn/overview/OYZGQIIJ2UPCSZ;collectionId=OY5L5E8IRXTI47Z	TinkerCad is the children's online platform for to learn 3d design given free to access by Autodesk, Inc. the leader in 3D design, engineering and entertainment software in industry. It prepares students for using CAD and constructive solid geometry.
16-May	Idea award - The national digital equivalent of the Duke of Edinburgh Award support by Buckingham Palace	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Work on your Bronze or Silver award by picking 3 badges today. You need 250 points for your bronze and 450 points for your silver	https://idea.org.uk/	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Through our series of online challenges, you can win career-enhancing badges, unlock new opportunities and, ultimately, gain industry-recognised Awards that help you stand out from the crowd.
17-May	Computer Science -Python/ Maths	A Python program which can send and receive tweets.	https://projects.raspberrypi.org/en/projects/getting-started-with-the-twitter-api	_The Rasberry Pi Community (part of the National Centre for Computing Education) has long been a backbone developing online teaching resources for every teacherSee their statement on support and sign up to the website here : https://projects.raspberrypi.org/en

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18-May	Computer Science/ Maths/Science	learn how to use computers to create images and understand astronomical data	https://quorumlanguage.com/hourofcode/astro1.html	Sing up to the live teaching with Code Org here :https://code.org/break?utm_source=announcement&utm_medium=email&utm_campaign=remote-resources&utm_term=3.18.20&utm_content=code-break
19-May	Computer Science - JavaScript	JavaScript Game: Delivery/Caterpillar/Five Second Games	https://arcade.makecode.com/	MakeCode By Microsoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning
20-May	3d design	In this project you will learn how to build a column, then use that column to create an amazing Roman inspired Dome.	https://www.tinkercad.com/learn/overview/OEUS4QTJ6WGON0Y;collectionId=OY5L5E8IRXTI47Z	TinkerCad is the children's online platform for to learn 3d design given free to access by Autodesk, Inc. the leader in 3D design, engineering and entertainment software in industry. It prepares students for using CAD and constructive solid geometry.
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22-May	Computer Science	Git version control software to help you to work on your own projects and contribute to open-source projects	https://projects.raspberrypi.org/en/projects/getting-started-with-git	The Raspberry Pi Community (part of the National Centre for Computing Education) has long been a backbone developing online teaching resources for every teacherSee their statement on support and sign up to the website here : https://projects.raspberrypi.org/en
23-May	Science/Computer Science	Professor Photon is a highly regarded physicist gone rogue. She has eliminated colour from all digital devices! In this Escape Room style project, the learner joins Marlee and Tyrell as they learn about binary numbers, light, colour, and more to unravel Professor Photon's Colour	https://hourofcode.com/cacolor	Sing up to the live teaching with Code Org here :https://code.org/break?utm_source=announcement&utm_medium=email&utm_campaign=remote-resources&utm_term=3.18.20&utm_content=code-break

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		Conundrum, and restore colour to the world's devices.		
24-May	Computer Science /Maths/Art	Learn to code in Minecraft: Education Edition	https://minecraft.makecode.com/	MakeCode By Microsoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning
25-May	Computer Science - JavaScript	JavaScript Games: Cube Land/Particle Effects Demo/Guess the Letter	https://arcade.makecode.com/	MakeCode By Microsoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning
26-May	3d design/Mathematics/Design technology	What will you be when you grow up? A Firefighter? A Ballerina? Let's learn how to make some pieces of their outfits!	https://www.tinkercad.com/learn/overview/OCKYHQEJ2QEZ0AM;collectionId=OY5L5E8IRXTI47Z	TinkerCad is the children's online platform for to learn 3d design given free to access by Autodesk, Inc. the leader in 3D design, engineering and entertainment software in industry. It prepares students for using CAD and constructive solid geometry.
27-May	Idea award	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Work on your Bronze or Silver award by picking 3 badges today. You need 250 points for your bronze and 450 points for your silver	https://idea.org.uk/	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Through our series of online challenges, you can win career-enhancing badges, unlock new opportunities and, ultimately, gain industry-recognised Awards that help you stand out from the crowd.
28-May	Raspberry Pi	Write a program that will allow a user to type in a city they're travelling to, and the day they'll be arriving.	https://projects.raspberrypi.org/en/projects/dress-for-the-weather	The Raspberry Pi Community (part of the National Centre for Computing Education) has long been a backbone for online teaching resources for every teacher. See their statement on support and sign up to the website here : https://projects.raspberrypi.org/en
29-May	Science/Computer Science	Colossal squid are the largest invertebrates in the world. In this coding game for beginners you'll learn the basics of coding and create a game that explores the squid's life under the ocean.	https://hourofcode.com/gamefrootsquid	Sing up to the live teaching with Code Org here :https://code.org/break?utm_source=announcement&utm_medium=email&utm_campaign=remote-resources&utm_term=3.18.20&utm_content=code-break

Spark Penketh Secondary at Home Schedule of Resources – Daily Updates at @SparkPenketh @PenkethSchool

30-May	Computer Science /Maths/Art	Learn to code in Minecraft: Education Edition	https://minecraft.makecode.com/	MakeCode By Microsoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning
31-May	Computer Science - JavaScript	JavaScript Games: Bounce Bucket/design your own game	https://arcade.makecode.com/	MakeCode By Microsoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning
01-Jun	3d design/Mathematics/Design technology	In this project you will learn to build a Fountain by aligning shapes with the Align tool.	https://www.tinkercad.com/learn/overview/OZB6S9MJ6WGJ8J6;collectionId=OY5L5E8IRXTI47Z	TinkerCad is the children's online platform for to learn 3d design given free to access by Autodesk, Inc. the leader in 3D design, engineering and entertainment software in industry. It prepares students for using CAD and constructive solid geometry.
02-Jun	Idea award - The national digital equivalent of the Duke of Edinburgh Award support by Buckingham Palace	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Work on your Bronze or Silver award by picking 3 badges today. You need 250 points for your bronze and 450 points for your silver	https://idea.org.uk/	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Through our series of online challenges, you can win career-enhancing badges, unlock new opportunities and, ultimately, gain industry-recognised Awards that help you stand out from the crowd.
03-Jun	Computer Science -Python/ Maths	Access the Raspberry Pi Weather Station database using a RESTful API	https://projects.raspberrypi.org/en/projects/fetching-the-weather	The Raspberry Pi Community (part of the National Centre for Computing Education) has long been a backbone for online teaching resources for every teacher. See their statement on support and sign up to the website here : https://projects.raspberrypi.org/en
04-Jun	Code Org	Program an interactive model of our Solar System	https://hourofcode.com/tynkertol	Sing up to the live teaching with Code Org here :https://code.org/break?utm_source=announcement&utm_medium=email&utm_campaign=remote-resources&utm_term=3.18.20&utm_content=code-break
05-Jun	Computer Science/Science/ Maths/ Design Technology	Sign Up to Microbit Foundation and start learning how to code using the interactive microbit online simulator	https://microbit.org/projects/make-it-code-it/?filters=beginner	The Micro:bit Educational Foundation is a UK-based not for profit organisation. Established with the support of our founding members (including the BBC) in September 2016 to secure a legacy for the original BBC Make It Digital project. Leading computing resource for teachers sign up here to learn more https://microbit.org/

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06-Jun	Computer Science /Maths/Art	Learn to code in Minecraft: Education Edition	https://minecraft.makecode.com/	MakeCode By Microsoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning
07-Jun	Computer Science - JavaScript	Game Design Concepts: Walking Hero/Picnic Food/Princess Pizza	https://arcade.makecode.com/	MakeCode By Microsoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning
08-Jun	3d design/Mathematics/Design technology	Create a 3d version of your favourite object	https://www.tinkercad.com/learn/overview/OZRIEAGJ0IEGZH0;collectionId=OY5L5E8IRXTI47Z	TinkerCad is the children's online platform for to learn 3d design given free to access by Autodesk, Inc. the leader in 3D design, engineering and entertainment software in industry. It prepares students for using CAD and constructive solid geometry.
09-Jun	Idea award - The national digital equivalent of the Duke of Edinburgh Award support by Buckingham Palace	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Work on your Bronze or Silver award by picking 3 badges today. You need 250 points for your bronze and 450 points for your silver	https://idea.org.uk/	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Through our series of online challenges, you can win career-enhancing badges, unlock new opportunities and, ultimately, gain industry-recognised Awards that help you stand out from the crowd.
10-Jun	Computer Science -Python/ Maths	In this resource you will gather weather data from the Raspberry Pi Weather Database and use it to create graphs of sensor data over time.	https://projects.raspberrypi.org/en/projects/graphing-the-weather	The Raspberry Pi Community (part of the National Centre for Computing Education) has long been a backbone for online teaching resources for every teacher. See their statement on support and sign up to the website here : https://projects.raspberrypi.org/en
11-Jun	Code Org	In this suite of introductory coding lessons, you will learn about making your own Crossy Road style mini game. You will learn how to code algorithms and sequences, inputs / outputs, loops and iteration, selection and if-statements, and comparative operators and	https://hourofcode.com/gfcrossyroad	Sing up to the live teaching with Code Org here :https://code.org/break?utm_source=announcement&utm_medium=email&utm_campaign=remote-resources&utm_term=3.18.20&utm_content=code-break

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		think like a computer scientist.		
12-Jun	Computer Science /Maths/Art	Learn to code in Minecraft: Education Edition	https://minecraft.makecode.com/	MakeCode By Microsoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning
13-Jun				
14-Jun	Computer Science - JavaScript	Game Design Concepts: Bouncing Burger/Star Field/Throw a Bone	https://arcade.makecode.com/	MakeCode By Microsoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning
15-Jun	3d design	In this lesson you will learn to use positive and negative shapes to create a necklace.	https://www.tinkercad.com/learn/overview/O9F5MS1J2QEYRJ4;collectionId=OY5L5E8IRXTI47Z	TinkerCad is the children's online platform for to learn 3d design given free to access by Autodesk, Inc. the leader in 3D design, engineering and entertainment software in industry. It prepares students for using CAD and constructive solid geometry.
16-Jun	Idea award - The national digital equivalent of the Duke of Edinburgh Award support by Buckingham Palace	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Work on your Bronze or Sliver award by picking 3 badges today. You need 250 points for your bronze and 450 points for your sliver	https://idea.org.uk/	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Through our series of online challenges, you can win career-enhancing badges, unlock new opportunities and, ultimately, gain industry-recognised Awards that help you stand out from the crowd.
17-Jun	Computer Science -Python/ Maths	Python code to upload Weather Station data to Initial State and build simple dashboards to display, analyse and share	https://projects.raspberrypi.org/en/projects/make-an-initial-state-dashboard-for-weather-data	The Rasberry Pi Community (part of the National Centre for Computing Education) has long been a backbone for online teaching resources for every teacher. See their statement on support and sign up to the website here : https://projects.raspberrypi.org/en
18-Jun	Code Org	A blocks language is used to solve musical puzzles by writing code to match tunes played on a piano keyboard.	https://hourofcode.com/playtune	Sing up to the live teaching with Code Org here :https://code.org/break?utm_source=announcement&utm_medium=email&utm_campaign=remote-resources&utm_term=3.18.20&utm_content=code-break
19-Jun	Computer Science/Science/	Move on to intermediate projects with the Microbit Foundation and start	https://microbit.org/projects/make-it-code-it/?filters=intermediate	The Micro:bit Educational Foundation is a UK-based not for profit organisation. Established with the support of our founding members (including the BBC) in September 2016 to

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	Maths/ Design Technology	learning how to code using the interactive mircobit online simulator		secure a legacy for the original BBC Make It Digital project. Leading computing resource for teachers sign up here to learn more https://microbit.org/
20-Jun	Computer Science - JavaScript	Game Design Concepts: Sunday Drive/ Which Button/Setting the scene	https://arcade.makecode.com/	MakeCode By Mircosoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning
21-Jun	3d design/Mathematics/Design technology	In this lesson we will learn about some basic principles of architecture, and experiment with architecture in Tinkercad.	https://www.tinkercad.com/learn/overview/OQ26R7KIRXTXFUH;collectionId=OY5L5E8IRXTI47Z	TinkerCad is the children's online platform for to learn 3d design given free to access by Autodesk, Inc. the leader in 3D design, engineering and entertainment software in industry. It prepares students for using CAD and constructive solid geometry.
22-Jun	Visual Special Effects/Game Design	Start Learning how to use the professional Game Design/Visual special effects and VR software Unity	https://learn.unity.com/?_ga=2.1308721.1899476505.1584623938-962877973.1584623938	Unity is a cross-platform game engine developed by Unity Technologies offering free expertise lead lessons over the coming months See more Here - https://unity.com/learn
23-Jun	Computer Science -Python/ Maths	learn how to fetch data from the Raspberry Pi Weather Station database, and plot that data on a graphical map	https://projects.raspberrypi.org/en/projects/mapping-the-weather	The Rasberry Pi Community (part of the National Centre for Computing Education) has long been a backbone for online teaching resources for every teacher. See their statement on suppport and sign up to the website here : https://projects.raspberrypi.org/en
24-Jun	Code Org	Learn logical thinking and programming concept by creating your own Flappy Birds style game on hyperPad.	https://hourofcode.com/hp_flappy	Sing up to the live teaching with Code Org here :https://code.org/break?utm_source=announcement&utm_medium=email&utm_campaign=remote-resources&utm_term=3.18.20&utm_content=code-break
25-Jun	Computer Science /Maths/Art	Learn to code in Minecraft: Education Edition	https://minecraft.makecode.com/	MakeCode By Mircosoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning
26-Jun	Computer Science/Science/ Maths/ Design Technology	Move on to intermediate projects with the Microbit Foundation and start learning how to code using the interactive mircobit online simulator	https://microbit.org/projects/make-it-code-it/?filters=intermediate	The Micro:bit Educational Foundation is a UK-based not for profit organisation. Established with the support of our founding members (including the BBC) in September 2016 to secure a legacy for the original BBC Make It Digital project. Leading computing resource for teachers sign up here to learn more https://microbit.org/
27-Jun	Computer Science - JavaScript	Game Design Concepts: Breadcrumb Trail/Tale of Talagron/Design your own game	https://arcade.makecode.com/	MakeCode By Mircosoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning

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28-Jun	3d design/Mathematics/Design technology	In this project, students will create a word block that can be interlocked with other word blocks to form fun phrases and messages.	https://www.tinkercad.com/learn/overview/OL9HOSSIRXT05C7;collectionId=OY5L5E8IRXTI47Z	TinkerCad is the children's online platform for to learn 3d design given free to access by Autodesk, Inc. the leader in 3D design, engineering and entertainment software in industry. It prepares students for using CAD and constructive solid geometry.
29-Jun	Idea award - The national digital equivalent of the Duke of Edinburgh Award support by Buckingham Palace	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Work on your Bronze or Silver award by picking 3 badges today. You need 250 points for your bronze and 450 points for your silver	https://idea.org.uk/	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Through our series of online challenges, you can win career-enhancing badges, unlock new opportunities and, ultimately, gain industry-recognised Awards that help you stand out from the crowd.
30-Jun	Computer Science -Python/ Maths	learn how to create a gadget that tells you how many people are living on the ISS.	https://projects.raspberrypi.org/en/projects/people-in-space-indicator	The Raspberry Pi Community (part of the National Centre for Computing Education) has long been a backbone for online teaching resources for every teacher. See their statement on support and sign up to the website here : https://projects.raspberrypi.org/en
01-Jul	Code Org	Students explore how coding is used in music creation by building their own dynamic eight-count beats and patterns with JavaScript blocks!	https://hourofcode.com/codehsmusic	Sing up to the live teaching with Code Org here :https://code.org/break?utm_source=announcement&utm_medium=email&utm_campaign=remote-resources&utm_term=3.18.20&utm_content=code-break
02-Jul	Visual Special Effects/Game Design	Start Learning how to use the professional Game Design/Visual special effects and VR software Unity	https://learn.unity.com/?_ga=2.1308721.1899476505.1584623938-962877973.1584623938	Unity is a cross-platform game engine developed by Unity Technologies offering free expertise lead lessons over the coming months See more Here - https://unity.com/learn
03-Jul	Games Design/Computer Science	Graphic and Maths: Fireworks/Game of Life/Paint Brush	https://arcade.makecode.com/	MakeCode By Microsoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning
04-Jul	3d design/Mathematics/Design technology	Choose to make one or all three different types of fruit.	https://www.tinkercad.com/learn/overview/OKX6SV8IXUQ4AAO;collectionId=OY5L5E8IRXTI47Z	TinkerCad is the children's online platform for to learn 3d design given free to access by Autodesk, Inc. the leader in 3D design, engineering and entertainment software in industry. It

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				prepares students for using CAD and constructive solid geometry.
05-Jul	Idea award - The national digital equivalent of the Duke of Edinburgh Award support by Buckingham Palace	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Work on your Bronze or Sliver award by picking 3 badges today. You need 250 points for your bronze and 450 points for your sliver	https://idea.org.uk/	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Through our series of online challenges, you can win career-enhancing badges, unlock new opportunities and, ultimately, gain industry-recognised Awards that help you stand out from the crowd.
06-Jul	Computer Science -Python/ English	You'll be turning Jane Austen's <i>Pride and Prejudice</i> into a version more interesting to zombies.	https://projects.raspberrypi.org/en/projects/pride-prejudice-zombies	The Rasberry Pi Community (part of the National Centre for Computing Education) has long been a backbone for online teaching resources for every teacher. See their statement on support and sign up to the website here : https://projects.raspberrypi.org/en
07-Jul	Computer Science - JavaScript	Create your own app in JavaScript using blocks or text. You'll make a simple app with buttons, images, sounds and multiple screens that you can share with your friends or publish to a public gallery	https://hourofcode.com/applabintro	Sing up to the live teaching with Code Org here :https://code.org/break?utm_source=announcement&utm_medium=email&utm_campaign=remote-resources&utm_term=3.18.20&utm_content=code-break
08-Jul	Computer Science/Science/ Maths/ Design Technology	Move on to intermediate projects with the Microbit Foundation and start learning how to code using the interactive mircobit online simulator	https://microbit.org/projects/make-it-code-it/?filters=intermediate	The Micro:bit Educational Foundation is a UK-based not for profit organisation. Established with the support of our founding members (including the BBC) in September 2016 to secure a legacy for the original BBC Make It Digital project. Leading computing resource for teachers sign up here to learn more https://microbit.org/
09-Jul	Games Design/Computer Science	Graphic and Maths: Animated Sand/ Bressenham Circles/Sorting Algorithms	https://arcade.makecode.com/	MakeCode By Mircosoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning
10-Jul	3d design/Mathema	In this project you will build a treasure chest shaped time capsule.	https://www.tinkercad.com/learn/overview/OOBZTTZJOIEEFRY;collectionId=OY5L5E8IRXTI47Z	TinkerCad is the children's online platform for to learn 3d design given free to access by Autodesk, Inc. the leader in 3D design, engineering and entertainment software in industry. It

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	tics/Design technology			prepares students for using CAD and constructive solid geometry.
11-Jul	Idea award - The national digital equivalent of the Duke of Edinburgh Award support by Buckingham Palace	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Work on your Bronze or Sliver award by picking 3 badges today. You need 250 points for your bronze and 450 points for your sliver	https://idea.org.uk/	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Through our series of online challenges, you can win career-enhancing badges, unlock new opportunities and, ultimately, gain industry-recognised Awards that help you stand out from the crowd.
12-Jul	Computer Science -Python/ English	By creating a Shakespearean insult generator learning how to read and write data in CSV format using Python	https://projects.raspberrypi.org/en/projects/shakespearean-insult-generator	The Rasberry Pi Community (part of the National Centre for Computing Education) has long been a backbone for online teaching resources for every teacher. See their statement on suppport and sign up to the website here : https://projects.raspberrypi.org/en
13-Jul	3d design/Mathematics/Design technology/Art/Computer Science	Learn how to programmatically perform some simple image manipulations such as rotation, colorization, increase of contrast, blur, edge detection, etc., without the help of advanced libraries.	https://hourofcode.com/techbim	Sing up to the live teaching with Code Org here :https://code.org/break?utm_source=announcement&utm_medium=email&utm_campaign=remote-resources&utm_term=3.18.20&utm_content=code-break
14-Jul	Games Design Maths	Graphic and Maths: Pi Monte Carlo/Fibonacci Tiles/Sieve of Eratosthenes	https://arcade.makecode.com/	MakeCode By Mircosoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning
15-Jul	3d design/Mathematics/Design technology	In this project you will practice basic Tinkercad skills like scale, move, and rotate to create a Japanese style building.	https://www.tinkercad.com/learn/overview/O662FBWJ70QKRP4;collectionId=OY5L5E8IRXTI47Z	Tinkercad is the children's online platform for to learn 3d design given free to access by Autodesk, Inc. the leader in 3D design, engineering and entertainment software in industry. It prepares students for using CAD and constructive solid geometry.
16-Jul	Idea award - The national digital equivalent of the Duke of	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you	https://idea.org.uk/	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Through our series of online challenges, you can win career-enhancing badges,

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	Edinburgh Award support by Buckingham Palace	develop digital, enterprise and employability skills for free. Work on your Bronze or Sliver award by picking 3 badges today. You need 250 points for your bronze and 450 points for your sliver		unlock new opportunities and, ultimately, gain industry-recognised Awards that help you stand out from the crowd.
17-Jul	3d design/Mathematics/Design technology	Create a model of a deck of cards that can form the basis for building digital card game programs such as Poker or Gin Rummy.	https://projects.raspberrypi.org/en/projects/deck-of-cards	The Raspberry Pi Community (part of the National Centre for Computing Education) has long been a backbone for online teaching resources for every teacher. See their statement on support and sign up to the website here : https://projects.raspberrypi.org/en
18-Jul	Computer Science -C#	Start on the online Unity course developing real video game using C# computer code and Unity, a professional platform for game development! All activity assets and step-by-step tutorials are included.	https://learn.unity.com/project/creator-kit-beginner-code	Sing up to the live teaching with Code Org here :https://code.org/break?utm_source=announcement&utm_medium=email&utm_campaign=remote-resources&utm_term=3.18.20&utm_content=code-break
19-Jul	Computer Science/Science/Maths/ Design Technology	Move on to intermediate projects with the Microbit Foundation and start learning how to code using the interactive mircobit online simulator	https://microbit.org/projects/make-it-code-it/?filters=intermediate	The Micro:bit Educational Foundation is a UK-based not for profit organisation. Established with the support of our founding members (including the BBC) in September 2016 to secure a legacy for the original BBC Make It Digital project. Leading computing resource for teachers sign up here to learn more https://microbit.org/
20-Jul	Computer Science/Science/Maths/ Design Technology	Move on to intermediate projects with the Microbit Foundation and start learning how to code using the interactive mircobit online simulator	https://microbit.org/projects/make-it-code-it/?filters=intermediate	The Micro:bit Educational Foundation is a UK-based not for profit organisation. Established with the support of our founding members (including the BBC) in September 2016 to secure a legacy for the original BBC Make It Digital project. Leading computing resource for teachers sign up here to learn more https://microbit.org/
21-Jul	Expert Game Design Workshop	Get expert teaching on arcade game design in this online lesson	https://arcade.makecode.com/	MakeCode By Mircosoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning
22-Jul	3d design/Mathematics/Design technology	n this project you will learn how to use Tinkercad to create a space station of your own.	https://www.tinkercad.com/learn/overview/OJ7NTHAIRXTO6B2;collectionId=OY5L5E8IRXTI47Z	TinkerCad is the children's online platform for to learn 3d design given free to access by Autodesk, Inc. the leader in 3D design, engineering and entertainment software in industry. It

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				prepares students for using CAD and constructive solid geometry.
23-Jul	Idea award - The national digital equivalent of the Duke of Edinburgh Award support by Buckingham Palace	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Work on your Bronze or Sliver award by picking 3 badges today. You need 250 points for your bronze and 450 points for your sliver	https://idea.org.uk/	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Through our series of online challenges, you can win career-enhancing badges, unlock new opportunities and, ultimately, gain industry-recognised Awards that help you stand out from the crowd.
24-Jul	Computer Science -Python/ API	Write a sentiment analysis program that can look over a Twitter user's last 200 tweets	https://projects.raspberrypi.org/en/projects/naughty-and-nice	The Rasberry Pi Community (part of the National Centre for Computing Education) has long been a backbone for online teaching resources for every teacher. See their statement on suppport and sign up to the website here : https://projects.raspberrypi.org/en
25-Jul	Computer Science -Python/ React Native	This activity gives you some examples on how to make your first real mobile apps and how to test them out on your phone using React Native.	https://hourofcode.com/codehsrn	Sing up to the live teaching with Code Org here :https://code.org/break?utm_source=announcement&utm_medium=email&utm_campaign=remote-resources&utm_term=3.18.20&utm_content=code-break
26-Jul	Visual Special Effects/Game Design	Start Learning how to use the professional Game Design/Visual special effects and VR software Unity	https://learn.unity.com/?_ga=2.1308721.1899476505.1584623938-962877973.1584623938	Unity is a cross-platform game engine developed by Unity Technologies offering free expertise lead lessons over the coming months See more Here - https://unity.com/learn
27-Jul	Computer Science/Science/ Maths/ Design Technology	Move on to intermediate projects with the Microbit Foundation and start learning how to code using the interactive mircobit online simulator	https://microbit.org/projects/make-it-code-it/?filters=intermediate	The Micro:bit Educational Foundation is a UK-based not for profit organisation. Established with the support of our founding members (including the BBC) in September 2016 to secure a legacy for the original BBC Make It Digital project. Leading computing resource for teachers sign up here to learn more https://microbit.org/
28-Jul	Computer Science /Maths/Art	Learn to code in Minecraft: Education Edition	https://minecraft.makecode.com/	MakeCode By Mircosoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning

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29-Jul	3d design/Mathematics/Design technology	John Parks Workshop: Trash Panda	https://arcade.makecode.com/	MakeCode By Microsoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning
30-Jul	Idea award - The national digital equivalent of the Duke of Edinburgh Award support by Buckingham Palace	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Work on your Bronze or Silver award by picking 3 badges today. You need 250 points for your bronze and 450 points for your silver	https://idea.org.uk/	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Through our series of online challenges, you can win career-enhancing badges, unlock new opportunities and, ultimately, gain industry-recognised Awards that help you stand out from the crowd.
31-Jul	Computer Science -Python/ API	Learn how to test your code and detect bugs by becoming a test detective.	https://projects.raspberrypi.org/en/projects/test-detectives	The Raspberry Pi Community (part of the National Centre for Computing Education) has long been a backbone for online teaching resources for every teacher. See their statement on support and sign up to the website here : https://projects.raspberrypi.org/en
01-Aug	Code Org	Sign up to Code Org and start online courses in computer science and internet safety. At the end of the course, create your very own game or story you can share.	https://studio.code.org/s/express-2019	Sing up to the live teaching with Code Org here :https://code.org/break?utm_source=announcement&utm_medium=email&utm_campaign=remote-resources&utm_term=3.18.20&utm_content=code-break
02-Aug	Visual Special Effects/Game Design	Start Learning how to use the professional Game Design/Visual special effects and VR software Unity	https://learn.unity.com/?_ga=2.1308721.1899476505.1584623938-962877973.1584623938	Unity is a cross-platform game engine developed by Unity Technologies offering free expertise lead lessons over the coming months See more Here - https://unity.com/learn
03-Aug	Expert Game Design Workshop	John Parks Workshop: Next Level Games	https://arcade.makecode.com/	MakeCode By Microsoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning
04-Aug	3d design/Mathematics/Design technology	In this lesson you will learn 3 different ways to make a Coral Reef.	https://www.tinkercad.com/learn/overview/OSV6OSUIYLZSL0Y;collectionId=OY5L5E8IRXTI47Z	TinkerCad is the children's online platform for to learn 3d design given free to access by Autodesk, Inc. the leader in 3D design, engineering and entertainment software in industry. It

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				prepares students for using CAD and constructive solid geometry.
05-Aug	Idea award - The national digital equivalent of the Duke of Edinburgh Award support by Buckingham Palace	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Work on your Bronze or Sliver award by picking 3 badges today. You need 250 points for your bronze and 450 points for your sliver	https://idea.org.uk/	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Through our series of online challenges, you can win career-enhancing badges, unlock new opportunities and, ultimately, gain industry-recognised Awards that help you stand out from the crowd.
06-Aug	Computer Science -Python/ App Inventor	learn to build apps for Android phones and tablets by introducing you to App Inventor.	https://projects.raspberrypi.org/en/projects/cd-beginner-app-inventor-sushi	The Rasberry Pi Community (part of the National Centre for Computing Education) has long been a backbone for online teaching resources for every teacher. See their statement on suppport and sign up to the website here : https://projects.raspberrypi.org/en
07-Aug	Computer Science /Maths/Art	Learn to code in Minecraft: Education Edition	https://minecraft.makecode.com/	MakeCode By Mircosoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning
08-Aug	Computer Science/Science/ Maths/ Design Technology	Move on to advanced projects with the Microbit Foundation and start learning how to code using the interactive mircobit online simulator	https://microbit.org/projects/make-it-code-it/?filters=advanced	The Micro:bit Educational Foundation is a UK-based not for profit organisation. Established with the support of our founding members (including the BBC) in September 2016 to secure a legacy for the original BBC Make It Digital project. Leading computing resource for teachers sign up here to learn more https://microbit.org/
09-Aug	Expert Game Design Workshop	John Parks Workshop: Re-MakeCode Racing Games	https://arcade.makecode.com/	MakeCode By Mircosoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning
10-Aug	Computer Science /Maths/Art	Learn to code in Minecraft: Education Edition	https://minecraft.makecode.com/	MakeCode By Mircosoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning
11-Aug	Idea award - The national digital equivalent of the Duke of Edinburgh Award support by	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for	https://idea.org.uk/	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Through our series of online challenges, you can win career-enhancing badges, unlock new opportunities and, ultimately, gain industry-recognised Awards that help you stand out from the crowd.

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	Buckingham Palace	free. Work on your Bronze or Sliver award by picking 3 badges today. You need 250 points for your bronze and 450 points for your sliver		
12-Aug	Computer Science -Python/ App Inventor	App Inventor to make an app that tracks how much exercise you've done.	https://projects.raspberrypi.org/en/projects/cd-sebento-appinv-2	The Rasberry Pi Community (part of the National Centre for Computing Education) has long been a backbone for online teaching resources for every teacher. See their statement on support and sign up to the website here : https://projects.raspberrypi.org/en
13-Aug	Computer Science - cryptography	Students learn about the foundations of cryptocurrencies by exploring cryptography, hashing, and blockchain technology!	https://hourofcode.com/codehsblockchain	Sing up to the live teaching with Code Org here :https://code.org/break?utm_source=announcement&utm_medium=email&utm_campaign=remote-resources&utm_term=3.18.20&utm_content=code-break
14-Aug	Computer Science /Maths/Art	Learn to code in Minecraft: Education Edition	https://minecraft.makecode.com/	MakeCode By Mircosoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning
15-Aug	Idea award - The national digital equivalent of the Duke of Edinburgh Award support by Buckingham Palace	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Work on your Bronze or Sliver award by picking 3 badges today. You need 250 points for your bronze and 450 points for your sliver	https://idea.org.uk/	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Through our series of online challenges, you can win career-enhancing badges, unlock new opportunities and, ultimately, gain industry-recognised Awards that help you stand out from the crowd.
16-Aug	Computer Science/Science/ Maths/ Design Technology	Move on to advanced projects with the Microbit Foundation and start learning how to code using the interactive mircobit online simulator	https://microbit.org/projects/make-it-code-it/?filters=advanced	The Micro:bit Educational Foundation is a UK-based not for profit organisation. Established with the support of our founding members (including the BBC) in September 2016 to secure a legacy for the original BBC Make It Digital project. Leading computing resource for teachers sign up here to learn more https://microbit.org/
17-Aug	Idea award - The national digital	The Inspiring Digital Enterprise Award, known as	https://idea.org.uk/	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital,

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	equivalent of the Duke of Edinburgh Award support by Buckingham Palace	iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Work on your Bronze or Sliver award by picking 3 badges today. You need 250 points for your bronze and 450 points for your sliver		enterprise and employability skills for free. Through our series of online challenges, you can win career-enhancing badges, unlock new opportunities and, ultimately, gain industry-recognised Awards that help you stand out from the crowd.
18-Aug	Expert Game Design Workshop	John Parks Workshop: Sparky Invaders	https://arcade.makecode.com/	MakeCode By Mircosoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning
19-Aug	Computer Science /Maths/Art	Learn to code in Minecraft: Education Edition	https://minecraft.makecode.com/	MakeCode By Mircosoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning
20-Aug	Idea award - The national digital equivalent of the Duke of Edinburgh Award support by Buckingham Palace	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Work on your Bronze or Sliver award by picking 3 badges today. You need 250 points for your bronze and 450 points for your sliver	https://idea.org.uk/	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Through our series of online challenges, you can win career-enhancing badges, unlock new opportunities and, ultimately, gain industry-recognised Awards that help you stand out from the crowd.
21-Aug	Computer Science -Python/ App Inventor	Learn to Quiz build apps for Android phones and tablets	https://projects.raspberrypi.org/en/projects/cd-sebento-appinv-1	The Rasberry Pi Community (part of the National Centre for Computing Education) has long been a backbone for online teaching resources for every teacher. See their statement on suppport and sign up to the website here : https://projects.raspberrypi.org/en
22-Aug	Computer Science /Art	Use the Text Compression Widget to compress segments of English text by looking for patterns and substituting symbols for larger patterns of text.	https://hourofcode.com/textcomp	Sing up to the live teaching with Code Org here :https://code.org/break?utm_source=announcement&utm_medium=email&utm_campaign=remote-resources&utm_term=3.18.20&utm_content=code-break

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23-Aug	Computer science and much more	Sign up to Code Org and start online courses in computer science and internet safety. At the end of the course, create your very own game or story you can share.	https://studio.code.org/s/express-2019	Sing up to the live teaching with Code Org here :https://code.org/break?utm_source=announcement&utm_medium=email&utm_campaign=remote-resources&utm_term=3.18.20&utm_content=code-break
24-Aug	Computer Science/Science/Maths/ Design Technology	Move on to advanced projects with the Microbit Foundation and start learning how to code using the interactive mircobit online simulator	https://microbit.org/projects/make-it-code-it/?filters=advanced	The Micro:bit Educational Foundation is a UK-based not for profit organisation. Established with the support of our founding members (including the BBC) in September 2016 to secure a legacy for the original BBC Make It Digital project. Leading computing resource for teachers sign up here to learn more https://microbit.org/
25-Aug	Computer Science/Science/Maths/ Design Technology	Move on to advanced projects with the Microbit Foundation and start learning how to code using the interactive mircobit online simulator	https://microbit.org/projects/make-it-code-it/?filters=advanced	The Micro:bit Educational Foundation is a UK-based not for profit organisation. Established with the support of our founding members (including the BBC) in September 2016 to secure a legacy for the original BBC Make It Digital project. Leading computing resource for teachers sign up here to learn more https://microbit.org/
26-Aug	Visual Special Effects/Game Design	Start Learning how to use the professional Game Design/Visual special effects and VR software Unity	https://learn.unity.com/?_ga=2.1308721.1899476505.1584623938-962877973.1584623938	Unity is a cross-platform game engine developed by Unity Technologies offering free expertise lead lessons over the coming months See more Here - https://unity.com/learn
27-Aug	Expert Game Design Workshop	John Parks Workshop: Platformer Games Map	https://arcade.makecode.com/	MakeCode By Mircosoft are a outstanding Platform .Sign up with the MakeCode team for weekly live online teaching: https://makecode.com/blog/online-learning
28-Aug	Computer science and much more	Sign up to Code Org and start online courses in computer science and internet safety. At the end of the course, create your very own game or story you can share.	https://studio.code.org/s/express-2019	Sing up to the live teaching with Code Org here :https://code.org/break?utm_source=announcement&utm_medium=email&utm_campaign=remote-resources&utm_term=3.18.20&utm_content=code-break
29-Aug	Idea award - The national digital equivalent of the Duke of Edinburgh Award support by	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for	https://idea.org.uk/	The Inspiring Digital Enterprise Award, known as iDEA is an international programme that helps you develop digital, enterprise and employability skills for free. Through our series of online challenges, you can win career-enhancing badges, unlock new opportunities and, ultimately, gain industry-recognised Awards that help you stand out from the crowd.

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	Buckingham Palace	free. Work on your Bronze or Sliver award by picking 3 badges today. You need 250 points for your bronze and 450 points for your sliver		
30-Aug	Computer Science -Python/ App Inventor	Make an app that people can use to find accessible places near them and even have their device open a map showing the location of a selected place.	https://projects.raspberrypi.org/en/projects/cd-sebento-appinv-3	The Rasberry Pi Community (part of the National Centre for Computing Education) has long been a backbone for online teaching resources for every teacher. See their statement on support and sign up to the website here : https://projects.raspberrypi.org/en
31-Aug	Computer Science - Python/Game Design	Choose your hero and code your way through the ogre patrols, lava pits, and laser beams of Kithgard Dungeon. Level up, earn gems, and loot magic items to unlock new programming powers	https://hourofcode.com/cocom	Sing up to the live teaching with Code Org here :https://code.org/break?utm_source=announcement&utm_medium=email&utm_campaign=remote-resources&utm_term=3.18.20&utm_content=code-break
01-Sep	Computer Science/Science/ Maths/ Design Technology	Move on to advanced projects with the Microbit Foundation and start learning how to code using the interactive mircobit online simulator	https://microbit.org/projects/make-it-code-it/?filters=advanced	The Micro:bit Educational Foundation is a UK-based not for profit organisation. Established with the support of our founding members (including the BBC) in September 2016 to secure a legacy for the original BBC Make It Digital project. Leading computing resource for teachers sign up here to learn more https://microbit.org/