

LUNCH TIME TECH CLUB ACTIVITIES

CodeBug



Sessional Workshop Activities

Activity Number	Target Audience	Name & Description of Activity	Resources	Links
1.	Grade Levels: Prep - 2 Age Range: 5 – 7 years old	Say My Name Code their name then code different words	<ul style="list-style-type: none">Set of words that they need to code	https://www.codebug.org.uk/learn/activity/57/scrolling-name-badge
2.	Grade Levels: Prep - 2 Age Range: 5 – 7 years old	Two-Faced Bug Code to make different facial expressions	<ul style="list-style-type: none">Set of different facial expressions in hard copy	https://www.codebug.org.uk/learn/activity/55/many-faced-bug/
3.	Grade Levels: Prep - 2 Age Range: 5 – 7 years old	Fortune Teller See the future and get help making decisions from your own CodeBug fortune teller.	<ul style="list-style-type: none">CodeBug materials only	https://www.codebug.org.uk/learn/activity/86/fortune-teller/
4.	Grade Levels: Prep - 2 Age Range: 5 – 7 years old	Lucky Number 6 Code a die for a board game	<ul style="list-style-type: none">100s square sheet (to design the board game)	http://www.codebug.org.uk/learn/activity/78/make-your-own-codebug-board-game/
5.	Grade Levels: Prep - 2 Age Range: 5 – 7 years old	Maze Game 5x15 maze game. Navigate the maze until you find the end (will look just the same so you have to explore each square).	<ul style="list-style-type: none">CodeBug materials only	http://www.codebug.org.uk/explore/codebug/4800/amazing/

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6.	Grade Levels: Prep - 2 Age Range: 5 – 7 years old	Music Box Code the CodeBug to play music	<ul style="list-style-type: none">• Portable speaker	https://www.youtube.com/watch?v=RCoyVlenkmY
7.	Grade Levels: Prep - 2 Age Range: 5 – 7 years old	Morse Code Generator Learn how to turn CodeBug into a Morse code generator and send secret messages to your friends.	<ul style="list-style-type: none">• Crocclips	http://www.codebug.org.uk/learn/activity/92/morse-code/
8.	Grade Levels: Prep - 2 Age Range: 5 – 7 years old	Interactive Card Learn how to create a personalised interactive card!	<ul style="list-style-type: none">• Cardboards• Coloured Markers	http://www.codebug.org.uk/learn/activity/51/a-card-for-all-occasions/
9.	Grade Levels: Prep - 2 Age Range: 5 – 7 years old	Plant Pot Water Detector Build a water detector to remind you to water plants	<ul style="list-style-type: none">• Seeds/Plant• Paper clips	http://www.codebug.org.uk/learn/activity/94/plant-pot-water-detector/
10.	Grade Levels: Grade 1,2 and3 Age Range: 6 – 8 years old	What's the Time CodeBug? CodeBug will tell the time.		https://www.element14.com/community/community/stem-academy/codebug/blog/2015/10/17/codebug-project-clock

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Project based Activities

Activity Number	Target Audience	Name & Description of Activity	Resources	Links
1.	Grade Levels: Prep - 2 Age Range: 5 – 7 years old	Steady Hand Game Make your own frustrating steady hand game where you have to move a metal wand through a tangled piece of wire without touching the sides using CodeBug!	<ul style="list-style-type: none">• Metal coat hanger• Design Brief To Do List (blank)	http://www.codebug.org.uk/learn/activity/61/steady-hand-game/
2.	Grade Levels: Prep - 2 Age Range: 5 – 7 years old	Make Your Own Board Game Create a new style of snakes and ladders and use the CodeBug as a dice.	<ul style="list-style-type: none">• Cardboard• Scissors• Glue	http://www.codebug.org.uk/learn/activity/78/make-your-own-codebug-board-game/
3.	Grade Levels: Prep - 2 Age Range: 5 – 7 years old	CodeBug Critter Costumes Make a costume for the CodeBug.	<ul style="list-style-type: none">• Costume template• Paper• Scissors• Glue	http://www.codebug.org.uk/learn/activity/63/codebug-critter-costumes/
4.	Grade Levels: Prep - 2 Age Range: 5 – 7 years old	Dance Mat Build your own dance mat	<ul style="list-style-type: none">• MakeMakey Kit/Raspberry Pi• Aluminium foil• Plastic Sheets• Foam sheets	http://www.codebug.org.uk/learn/activity/67/dance-mat/