



# STEM from Home Christmas!



Put your STEM skills to the test this Christmas with this festive edition of STEM from Home!

Test your coding skills by creating a 3D model of a snowman, coding a Christmas carol or making a jumper memory game. You can also make festive bunting to decorate your home, bake tasty Christmas biscuits, write your own festive poetry and take on our Christmas Word Search!



Q. What's Father Christmas' favourite type of music?

A. Wrap!

## Christmas Coding

Use Sonic Pi, Scratch and Blender to put your coding skills to the test with these festive coding challenges. All you need is a desktop or laptop and access to each software either online or offline

### Blender Snowman

Create a 3D model of a snowman using Blender.



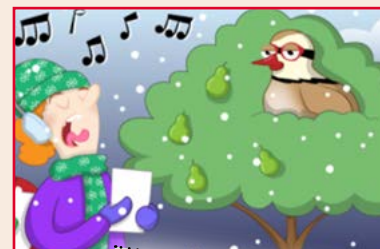
### Jazzy Jumpers

Create a memory game involving jazzy jumpers.



### Code a Carol

Code the carol 'Twelve Days of Christmas' using Sonic Pi.



Q. Who hides in the bakery at Christmas?

A. A Mince Spy!

## Festive Bunting

Colour in or paint your own Christmas themed bunting to decorate your home this Christmas. Choose from 6 designs to mix and match.

Colour in your designs, then cut them out and attach them in any order you like! [Access the template for this activity.](#)



Q. What do fish sing at Christmas time?

A. Christmas Corals!

## Christmas Biscuits

Let's make some easy and tasty Christmas biscuits that all the family can enjoy!

Decorate your own designs with coloured icing and decorations.

Access the [template for this activity](#).



Q. What did they sing at the snowman's birthday party?  
A. Freeze a jolly good fellow!

Q. Who says Oh Oh Oh?  
A. Father Christmas walking backwards!

## Festive Poetry

Your challenge is to write a Christmas-themed poem using as many of the words below as possible. As an additional challenge, can you make all of the words that you include rhyme?

Snow	Elves	Reindeer	Sleigh	Tree
Gifts	Joy	Fun	Love	Food

Give your poem a name and write or type it out, it could even make a great Christmas present!



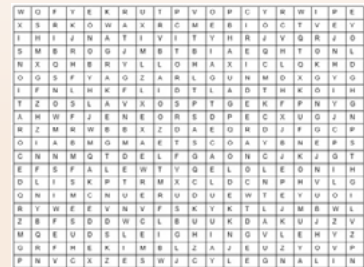
## Christmas Wordsearch

Can you find all of the Christmas related words in the word search?

There are 20 words to find in total, how quickly can you spot them all?

Access the [template for this activity](#).

Q. What happened to the man who stole an advent calendar?  
A. He got 25 days!



A very Merry Christmas and a Happy New Year from everyone at CGI!  
Thanks for joining us for all of the STEM fun this year.



Ask your parent/guardian to upload pictures of your STEM creations to [Twitter](#), [LinkedIn](#) or [Facebook](#) using [#STEMfromHome](#) and [#ExperienceCGI](#).

We hope that you enjoy our STEM from Home programme!

For more information or additional support with STEM activities, visit our website: [bit.ly/2X1VeYa](http://bit.ly/2X1VeYa) or contact [enquiry.uk@cgi.com](mailto:enquiry.uk@cgi.com)