

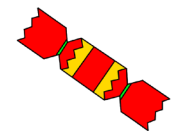
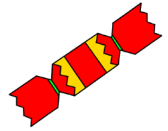
'Tis the season to be jolly.....
 ...fa-la-la-la-la, la-la-la-la



Ho! Ho! Ho! It's that time of year again.. I've come up some Computing activities I hope you will enjoy. My elves have rated them how challenging they found them but take a pick!

Type: Digital Literacy / Computer Science

- Can you create some festive graphics or animations? Here's some examples:
 - You could use Python turtle to draw a tree
 - Create an animated graphic to use as an e-card
 - Decorate a plain jumper so it's fit for Christmas
 - What about a Christmas list in Scratch?



Elf Rating: ★ to ★ ★ ★

Type: Computer Science



- Can you write a program that asks the user what they would like for Christmas and makes a comment?
- Challenge yourself by enhancing the program for Santa so it stores all the presents in a list which can be printed on the screen when Santa requests it!

Elf Rating: ★ ★ to ★ ★ ★

Who delivers gadgets to cats at Christmas?

Type: Information Technology



- How to online businesses cope at Christmas?
- What technology do they use fulfil so many orders of presents?
- To what extent are robots used?
- Present your findings in a way you feel confident with e.g. presentation; report; webpage

Elf Rating: ★ to ★ ★

Type: Digital Literacy



- My elves would like you to design a very festive Christmas card.
- Make sure you use images that are allowed for commercial use though, as we don't want to get in trouble!
- Challenge yourself by making your own images in a graphics package!

Elf Rating: ★ to ★ ★

Did you know? It's traditional to light a Yule log on Christmas Eve and keep it burning for 12 nights! Can you find any other festive facts?

Type: Computer Science



- To give my elves something to do in their breaks by creating them a colour by numbers pixel
- Create a table of colours (like a key) then a grid with all the numbers needed to draw something festive!

0	0	1	2
1	1	0	1
2	0	2	0

Elf Rating: ★ ★ to ★ ★ ★