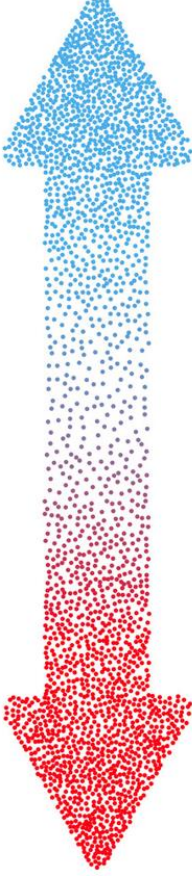


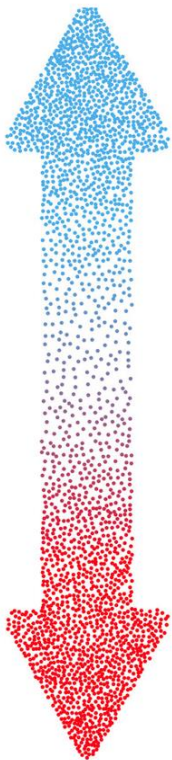
## Computing Activities for the Summer Holidays

Below are some activities you can try over the holidays. They have been split into the three strands of computing we use in school. Have fun!!

Computer Programmers	
<p>Easier</p>  <p>Harder</p>	<ul style="list-style-type: none"><li>• Take pictures of daily tasks and jumble them up. Can you put them back into the right order? Can you write the instructions to go with them?</li><li>• Be a robot! Complete a simple task like making a jam sandwich. Remember, robots only do EXACTLY what the user tells them to do. Watch this video for an idea how this works: <a href="https://www.youtube.com/watch?v=leBEFaVHIIIE">https://www.youtube.com/watch?v=leBEFaVHIIIE</a> (This one can be made more difficult with how precise you force the child to be! When it goes wrong, allow them time to go back and rework their algorithm.)</li><li>• Make a treasure map of the garden. Draw an aerial picture of the garden and split it into a grid. Use arrows, words or symbols as a guide to the treasure.</li><li>• Play human Pacman. Three people needed. One person is Pacman, one is the ghost and the other is the player. The player can shout instructions to Pacman (like turn left, turn right, forwards and backwards). Scatter object around the garden that Pacman has to collect. The ghost has to catch Pacman. Pacman can jog, the ghost can only walk.</li><li>• Use <a href="https://code.org/hourofcode/overview">https://code.org/hourofcode/overview</a></li><li>• <a href="https://scratch.mit.edu/help/videos/">https://scratch.mit.edu/help/videos/</a> This website has loads of great videos to teach you how to make things on <a href="https://scratch.mit.edu">https://scratch.mit.edu</a> Its free to make an account, which is the best way to save you work.</li></ul>

## Computer Users (Anything with a \* should be supervised)

Easier

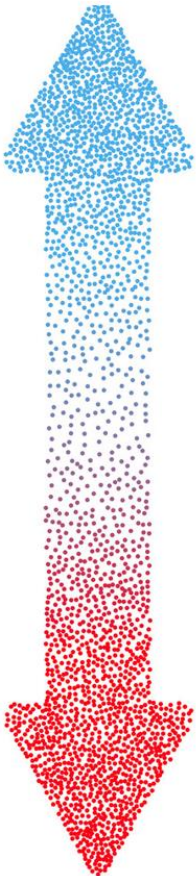


Harder

- Use a word processor to write a sentence.
- Use a word processor to write a story.
- Use Paint to paint a picture.
- Print something (if you have a printer, of course).
- Use this website to learn your way around a keyboard:  
<https://www.bbc.co.uk/bitesize/topics/zf2f9j6/articles/z3c6tfr>
- Save a picture and add it to your story or take a picture and put it into a document with some writing with it.
- Email a trusted adult (us teachers love hearing what you've been up to!)\*
- Send an email with an attachment.\*
- Use <https://soundation.com/> to make some banging tunes!! (Adults will need to make a free account)
- Take a picture and edit it on a phone.\*
- Make your typing even faster with these: <https://www.typing.com/student/games>
- Make a video call to a family member.\*

## Online Safety

Younger



Older

- <https://www.common sense.org/education/digital-citizenship/curriculum?grades=k%2C1%2C2> This link will take you to some great activities suitable for KS1
- Years 1 and 2 can talk to you about what personal information is, who you can trust and why you should have breaks from tech.
- This one is for Years 3, 4 and 5: <https://www.common sense.org/education/digital-citizenship/curriculum?grades=3%2C4%2C5>
- Years 3, 4 and 5 can talk about identifying behaviour online that is unwanted and unkind and what to do about it.
- These year groups could make a info pack or video guide on age ratings for games.
- Years 3, 4, 5 and 6 can make a 'safe selfie guide' that talks about what is ok and not ok to include in the picture and who you need permission from to post an image. Who does it affect? What can you do if there is a picture of you that you don't want online?
- KS2 can talk about who to be friends with online. How can you connect with your friends safely online? Can you really know who you're taking to.
  1. Make a landscape A4 sheet with your real picture, real name and age
  2. Draw a computer screen (a grey border around a new landscape A4 sheet.)
  3. On that computer screen, make up a picture, name and age.
  4. Cut the fake details in half and glue each half along the outside short edges and stick them over the top of the real details, so you can open them like doors.

This will show who's 'behind' the fake details to show that anyone could pretend to be someone else!

- Years 5 and 6 can look at the concept of 'fake news' and how not everything they read online is true.
- Investigate 'clickbait' (it's one of the activities in the link above)
- This link is for activities that Year 6 and upwards can do: <https://www.common sense.org/education/digital-citizenship/curriculum?grades=6%2C7%2C8>