

Second Level Home Learning Activities

Technology

Pixel art- change a Microsoft Excel spreadsheet into squares. Select the whole sheet and change one column. Design own pixel art or find examples on the web. Help sheet at the end of this learning grid. Offline option -use squared paper / add vertical lines to lined paper	Hour of Code Go to https://hourofcode.com/uk/learn Choose one of the code.org activities or Lightbot No need to sign up just choose a game, press start and select Blocks/Try Now
Computational Thinking- We organise information into a family tree or classify a group of animals according to species. To create a branching database https://www.j2e.com/j2data/ Choose Branch. Print or save by taking a screenshot with snipping tool/print screen	How has Technology changed to suit how we live Draw a timeline for how everyday objects have changed. Examples - a car, a clock, listening to music/radio, watch TV, Ask older members of your family about how life has changed for them, based on the technology they use.
Make a poster/3d shape which is made of materials which have been reduced, reused and recycled. e.g, reuse scrap paper, cut out coloured pieces from a magazine, cut up kitchen recycling ...	Scratch Free Programming Editor Scratch Ideas page -https://scratch.mit.edu/ideas Downloadable set of coding cards (pdf) on Ideas page Code Club - Free downloadable book for Scratch
Internet Research History: How to research film archives https://www.bbc.co.uk/teach/class-clips-video/history-ks2-how-to-research-film-archives/z7gjhbk Here are some Film Archives to look at and watch together. National Library for Scotland - The Children's Story Scottish Moving Image Archive - https://movingimage.nls.uk/ https://www.britishpathe.com/workspaces/page/scotland-history-culture	Using Online Sources Watch CBBC Newsround https://www.bbc.co.uk/newsround Discuss the latest news stories Reliable sources: Can we always believe what we see and hear? Hands On Activity- Create your own newspaper either on paper using pens, pencils, ruler etc.... or create it online. Here are some ideas about how to create your newspaper https://www.bbc.co.uk/bitesize/topics/z2yycdm/articles/z2gk9qt

Extended Project - Ever thought of creating a newspaper for a different time e.g. Stone Age, Tudors, WW1

- Use Internet research and any books/magazines
- Type up or hand write each section it and cut them out.
- Paste everything together on A3 plain paper or tape two A4 pages together).

Decide on a newspaper title - e.g. Tudor Times

A Front Page Article - Henry VIII wants a new wife again!

-can you find a picture of Henry VIII?

Info on how to write the news article

<https://www.bbc.co.uk/bitesize/articles/z9jgn9g>

School Radio - The Tudors <https://www.bbc.co.uk/teach/school-radio/history-the-tudors/zkgyhbk>

Recipes - Search for Tudor Recipes or try this link below.

<https://www.northboroughschool.co.uk/attachments/download.asp?file=589&type=pdf> Try them yourself at home and include a photo of the actual food. Tudor Cookery <https://www.bbc.co.uk/programmes/b0078wsy>

Sport - e.g. Jousting (Henry VIII loved this sport)

<https://www.northboroughschool.co.uk/attachments/download.asp?file=589&type=pdf>

Letters - Write a letter from a reader. Usually people write about something they want to happen in their area /life e.g. Tudor School Punishments, School Life and Children's jobs.

<https://www.bbc.co.uk/programmes/b0078wmk/clips>

Adverts - They can be job adverts, clothing, food and drink, Places to visit (look up Tudor buildings)

Job Adverts - e.g. Would you like to be the new wife of Henry III? (temporary position)

Desirable qualities - child-bearing age, Royal

Sources of information for a WW1 newspaper

Decide on a newspaper title - e.g. The WW1 Courier

BBC WW1 Class Clips -

<https://www.bbc.co.uk/bitesize/topics/ztqtb9g/resources/1>

Possible news topics - school life during WW1, what an air raid feels like.

Recipes - what did people eat during WW1.

<https://www.bbc.co.uk/bitesize/topics/zqhyb9g/articles/z8kv34j>

Sport- The Christmas Truce and the Football Match - find out about this sporting event

Adverts - **Wiper Times** - the soldiers in the trenches did create their own newspaper called the Wiper Times. They included humorous adverts for trench clothing, building plots, toys etc.... Look up some of these adverts in Google Images.

Computing Technology

Think of all the computing devices in the world around us including the ones which are hidden inside a toy or a kitchen appliance or a building.

Toys - e.g. control panels, sensors

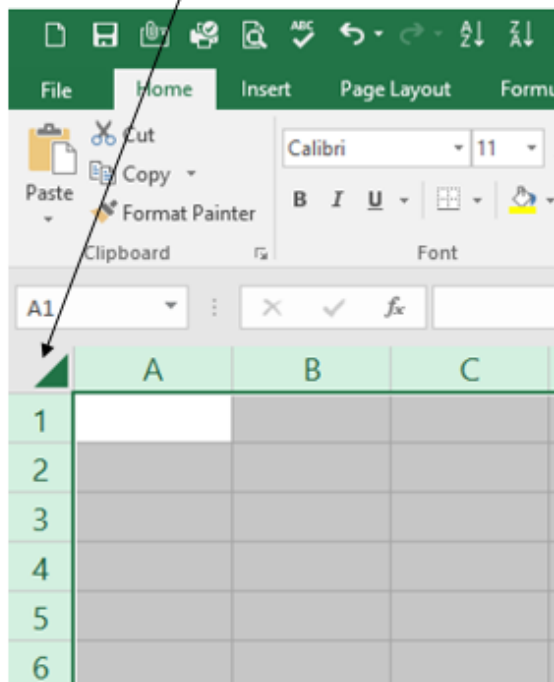
Kitchen appliance - e.g. can control it from a mobile phone

Building - e.g. automatic opening doors, fire alarm systems

Pixel Art- making grid squares

Select the whole **Excel** sheet

Click on this square with a triangle.



The whole sheet will go grey.

Resize column A into a square and all the other columns will also resize. Click between the Letters A and B to resize the columns and drag left.

