

Mathematics

- Take a screen shot or print out the most recent Minecraft village or house you have created. Now try to draw/sketch your world on some paper, thinking about drawing and representing 3D shapes accurately. Grid paper may be useful for this activity. (CC: Art)
- What 3D shapes have you drawn? Can you list/label the properties for each 3D shape e.g. number of faces and vertices?
- Now with the same screen shot/print out, Use a ruler and measure around the outside of your house and/or village. Record lengths in centimetres and then find the perimeter and area.
- Minecraft is celebrating its 10 year anniversary this year. How many months are there in 10 years? How many weeks are there in 10 years? How many days? (Extension if required: How many hours, minutes and seconds)
- Draw a net of a cube (include the tabs to make it easy to put together) and then cut it out and construct it. Turn it into a Minecraft characters head! (CC: Design and Technology)
- Create a number code for the characters (e.g. Steve may represent 12, a creeper 15 etc.) and ask an adult to write some sums for you:



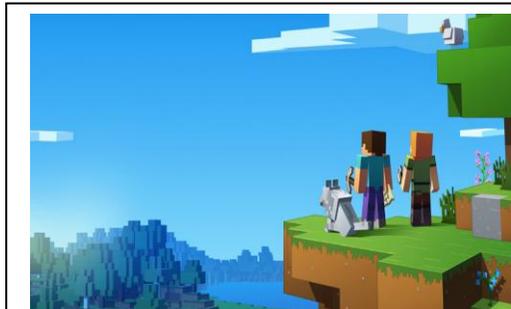
$\text{Steve} \times 9 =$ * the numbers can be changed to larger 2 and 3 digit numbers for more complex division and multiplication.

Science

- Red Stone Circuits can be built in Minecraft worlds. Follow this link to learn more about electricity and circuits: <https://www.bbc.com/bitesize/topics/zj44jxs>
- Now draw your own diagram of a circuit using the appropriate electrical symbols. Perhaps you could make your own real life circuit with the help of an adult.
- There are Minecraft pumpkins that feature in the game; draw and label the life cycle of a pumpkin.

Learning by Topic Framework

Minecraft



English

- **Theme/Spelling words:** survival, generated, characters, skeleton, alternative, dimension, creative, adventure, hardcore, spectator
- List spellings in alphabetical order; write synonyms and antonyms for words (where appropriate); create a crossword puzzle for your theme words; write your theme words in sentences or use all of them in a short story, include some figurative language e.g. similes, metaphors, alliteration and personification.
- Use alliteration for the hostile mobs, example: cruel creepers, skinny skeletons.
- Write a story about Steve (or a character you yourself have created in Minecraft) and an encounter with creepers and zombies. (Genre of writing: Narrative)
- Have you created your own Minecraft character? Write a description about your character. You could start with a descriptive profile of the character and then write as that character (first person) and describe the way your character has just played the game or perhaps describe the world you have just created. (Genre of writing: Literary Description)
- Write a review of Minecraft for a video game rating website. Will you give it 5 stars?! (Genres of writing: Personal Response and Review)
- 'Who Am I?' This will be the name of a card game you will create on Minecraft characters. Think of 4 clues about each mainstream character/creature and write them on a card. See if a family member or friend can guess the character! Perhaps it could be a two player game and you could be the quiz master! Then whoever has the majority of cards at the end wins.
- List 10 questions you would ask the creepers if you got the opportunity to meet them. Answer the questions in an imaginative way: are the creepers misunderstood? Do they have feelings and do they get upset? Now have some fun and voice/record or film the interview – getting a family member to be one of the voices OR changing the tone of your voice between characters! Have fun with it! (CC: Drama, Script writing)

History

- This year, 2019, Minecraft celebrates its 10 year anniversary. Follow this link to read up on the history of Minecraft from its beginnings in 2009: <https://www.minecraft.net/en-us/10th-anniversary> Plot this information (rewriting in your own words) onto a timeline.
- At the bottom of the page on the link above you will find a #minecraftmemories section. What is your favourite Minecraft memory and why? (CC English, Genre of writing: Explanation)
- 'Pong' was one of the very earliest video games: <https://www.youtube.com/watch?v=ncB0ov5hT48> Watch the above link and do further research on 'Pong'. Now list similarities and differences between 'Pong' and today's video games.



Art / Design and Technology

- Using clay, mould the enchanting tools, armour and weapons.
- Make a Steve and/or a creeper head (or any other character) out of a box. Paint the box white or cover it with white paper and then use coloured paper squares or paints to recreate the character. If you search 'Minecraft fancy dress heads' online, you will find some examples.
- Play the game! Create a brand new Minecraft world. Imagine you are a radio commentator and describe step by step what you are doing, so the 'listeners' can clearly picture your actions and your world. Use exciting and expressive language to make it really interesting. You could record your voice or film it! (CC: Drama)

Geography

- In the World of Minecraft you can create chocolate lakes. Unfortunately in our world no such thing exists! Can you choose a lake (from any country in the world) and write an information report about it. You might like to include a fact file at the start to highlight key information. (CC: English, Genre of writing: Information Report – could do a PowerPoint presentation)
- Can you locate the lake you have researched on a world map?
- Create Minecraft key that will represent population size e.g.



= one million. Choose 10 or more countries and on a world map represent each country's population. Remember to explain your key!

Learning by Topic Framework

Minecraft

Key:

CC: Cross Curricular

Possible Reading List:

- Diary of a Minecraft Zombie series
- Minecraft Annual series

PSHE /Music

- PSHE: Video games are a popular hobby and leisure activity in many countries around the world. Some experts say video games have a negative impact on people's health. Do you think playing video games is bad for children? Why/why not? (Genre of writing; Persuasive)
- PSHE: List the educational advantages for children who play Minecraft. What does it help to teach them?
- Music: In Minecraft there are sound effects for each movement, tool etc, try and recreate these sounds with items/instruments you have around the house. You could record them and possibly even try and add them to the next game you play!