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Jun 152013

*Minecraftwiki*

OK, it’s not really 1001.

Yet.

**NEWSFLASH : Toon Academy are running a** [**competition to design a Minecraft tutorial**](http://launchpadtoys.com/blog/2013/10/toon-academy-minecraft/) **using their iPad app. Runs from October 7 to 17th.**

1. English including ESOL

1. Edit an entry on the Minecraftwiki
2. Write a procedural text on how to craft an iron pickaxe
3. Write a story about a character that falls in to the world of Minecraft. Illustrate your story with screen shots from your Minecraft world.
4. Through the Minecraft chat, explain to your teacher who is on another computer how to make herself a crafting table.
5. Translate an entry on the Minecraftwiki into your own language and share it with a friend.
6. Your character in Minecraft is called “Steve”. Research why he is called “Steve”
7. How did Steve end up in the world of Minecraft? Write an imaginative background story to explain what happened.
8. Write and give a persuasive speech to your teacher explaining why you think you should be able to use Minecraft in class, and what you think it would help you with.
9. Create a crossword based on the world of Minecraft using a program like [Crosswordforge](http://www.solrobots.com/crosswordforge/). Swap with a friend and do each others.
10. Create a 10 question quiz using the Minecraftwiki then swap with a partner.
11. Research how to change Steve’s skin and write a set of instructions for someone else to follow.

Social Studies

1. Recreate a village/town based on a culture you have researched
2. As a team, create a self sufficient community that includes different roles and responsibilities for its members.
3. As efficiently as you can, create a scale model of the Great Pyramids of Giza-as you go, reflect on what it working and what is not. How do you think the problems you faced are similar or different to those faces by the Egyptians?
4. Create homes from two different ancient cultures and then make a screen recording describing their similarities and differences.
5. For a few periods, have the majority of your class act as “second class Minecraft citizens” to the rest. Then describe and reflect on what happened and how you felt. What societies in the actual world have had, or continue to have this kind of political or social arrangement?
6. Create a set of laws, or a constitution for your Minecraft world. Firstly appoint someone in you class as the king or queen, and have them create the laws. Then after a week or so, create a new set democratically. How are the two sets of laws different?
7. Appoint a King or Queen and give them absolute power for a week. Now try another week but this time using the ideals of democracy.
8. Divide your class into 2 teams. One is ruled by consensus, the other by a nominated monarch. Set a goal that needs to be achieved (make 4 iron pick axes, plant 30 blocks of wheat and build three houses etc) and compete against each other to achieve the goal. At the end of a given time, reflect on the pros and cons of the different forms of rule.
9. Create a place of worship as in [this fantastic example](https://twitter.com/AHigherPlaceLtd/status/346579267351621632/photo/1) by [Stephen Reid](http://ahigherplace.co.uk/blog/)
10. Create a topographical map of a Minecraft village you make.
11. Cooperate with a class in another school/country to build a “perfect world” together. You can use other collaborative tools such as Skype and Google Docs to help.
12. Devide the class in half. For 10 periods of play, group A must live as hunter gatherers, while group B is an agragarian society. The goal is to gather and store as much food as possible in the given time. Before each period of play, the teams must meet to discuss tactics. At the end of each period of play, the teams must reflect and discuss on their progress.

Mathematics

1. [Here](http://rebecca-davies.net/2013/06/17/minecraft-maths/) are some fantastic Minecraft Math ideas for area, perimeter and volume  from [Rebecca Davies.](http://rebecca-davies.net/)
2. Steve has a very simple house with no windows and just a door 2 blocks high. The floor area of his house is 20 square meters. The capacity of his house (or the internal volume) is 80 cubic meters (each block in Minecraft is 1 cubic meter) What is the least number of blocks Steve could have used to build his house?
Build Steve’s house.
Using the same number of blocks,  is it possible to build Steve a house of the same height but with more volume?
3. A village in a Minecraft world is about to start farming. They have hired you to find out what is the most efficient way to get food-they are choosing between bread, cows and pigs. Use the Minecraftwiki to calculate which type of farming returns the most energy (food bars) for time spent farming.
4. Location in Minecraft is described using X, Y and Z coordinates. Using a piece of gridded paper, create a map of your village to a scale of 1 square to 1 block.
5. Work out the minimim number of blocks you need to make a building with a volume of at least 75 cubic meters. Use Minecraft to test and improve your designs.
6. Work out the ratio of Minecraft time to real world time. (1 MC minute = real minutes?)
7. How many fence blocks would you need to make a paddock (field) with an area of at least 600 square meters?

Science

1. There are several different [biomes](http://www.minecraftwiki.net/wiki/Biomes) in Minecraft. Choose one, and compare and contrast it with a real world example of that biome. Present your findings in a way that you or your teacher chooses.
2. Choose one mineral/element from Minecraft (diamond, iron, coal etc) and compare and contrast the mineral and its properties with that mineral in the real world.  Present your findings in a way that you or your teacher chooses.

Computer Science.

1. Use Java to create a mod for Minecraft
2. Create a texture pack for Minecraft
3. Install and maintain a Minecraft server for students in a younger grade level.
4. Research how to create a Minecraft Skin and design one based on your school uniform if you have one. If you don’t design one based on something else.

The Arts/Design

1. Compose the lyrics (English) and music for a national anthem for your Minecraft world.
2. Take a screen casting of your Minecraft world (or you could use timelapse screen shots of you building something), then use a program like Garageband to add music to your video. The music should fit the feel of your video. [Here is an example](http://www.youtube.com/watch?v=Ptu5WOTbubg) from [FyreUK](http://www.youtube.com/user/FyreUK?feature=watch) on from Youtube.
3. Design a large sculpture and then build it on Minecraft as a center piece for your village.