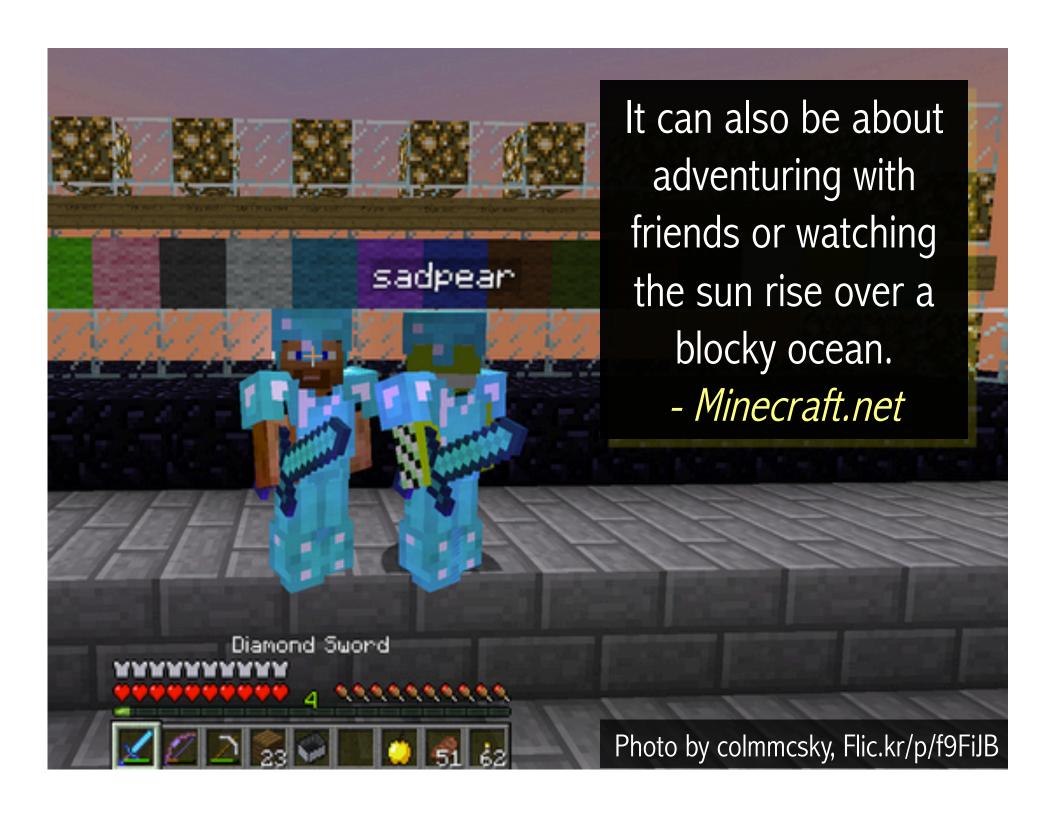


Minecraft is a game about breaking and placing blocks. At first, people built structures to protect against nocturnal monsters, but as the game grew players worked together to create wonderful, imaginative things.

- Minecraft.net

Photo by colmmcsky, Flic.kr/p/bzYBiM



What content & skills can students learn with Minecraft?



### Minecraft.gamepedia.com/Minecraft\_in\_education

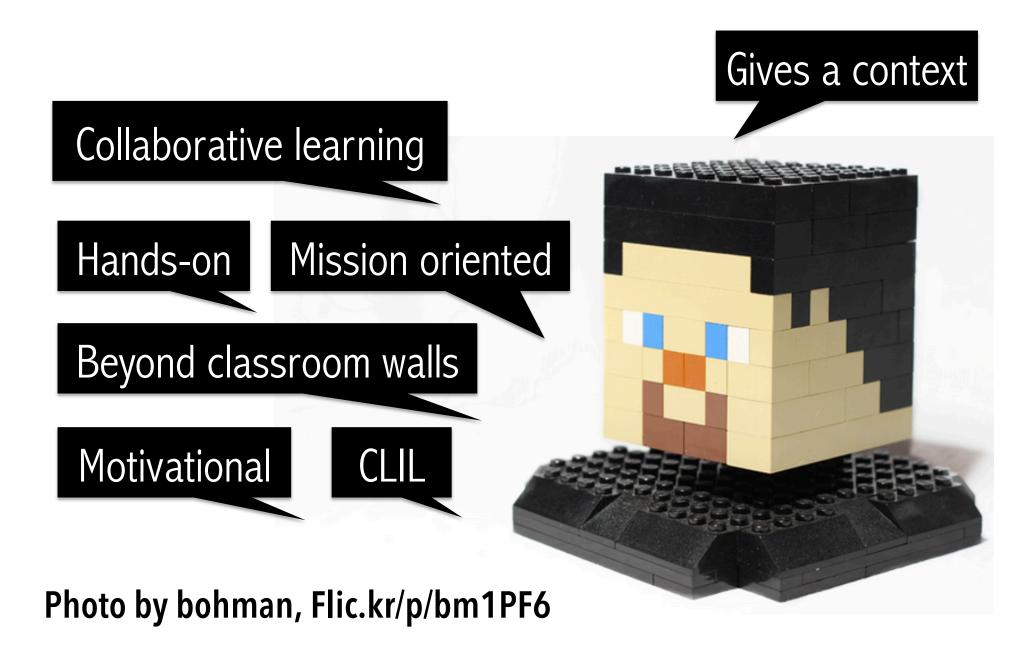
Subject	Benefit
Reading	The names of items in the inventory are a great place to start teaching children to read, since each item has a tooltip and image which go together. For older children, reading the wiki and online guides can extend their skills.
Writing	Players can use the Book and Quill within the game to keep a log, or to communicate information to other players. By contributing to the Minecraft Wiki, older children learn to write informational texts in a collaborative, multimedia environment!
Math 17/ + 44	The crafting system can help in teaching basic math (e.g. "I need 3 sugar cane for paper), which transitions to multiplication (I need 3 Paper and 1 leather for a book, and 3 books for a bookshelf, so I need 9 paper and 3 leather altogether") and division ("When I create paper I get 3 at once, so $^9/_3$ = 3 times per bookshelf I'll have to create paper"). If players want to create a fully powered beacon, they will need to mathematically calculate amounts of materials (iron, diamond, emerald, gold) they need to create one, which is 9 times $\{\sum_{i=1}^n -i=4 (2i+1)^2\}$ . This means(9+25+49+81)×9 = 1476 = 23×64+4= 23 stacks and 4 pieces of materials. This shows not only you need math very much in <i>Minecraft</i> , but you also practice and possibly learn some mathematic skills.
Geometry	While the <i>Minecraft</i> world is only made up of cubes, the creations a child makes may resemble other shapes. Parental involvement can help teach children to recognize these shapes (cube, cuboid, square based pyramid, tesseract, Note et cetera). Structures made with blocks to resemble shapes and figures can also help children with dimensions - x, length, y, height, z, width, and possibly also w, time. Also, counting the number of blocks that were dug out when making a 6x6x3 cave can help multiplication skills and understanding the concepts of volume and area. Also, <i>Minecraft</i> is all about three-dimensional graphing. A <i>Minecraft</i> world is based on x, y, and z coordinates. This very useful method of gaming can be used to learn high-leveled math such as the Pythagorean theorem (e.g.: x <sup>2</sup> +y <sup>2</sup> =c <sup>2</sup> ) therefore not only is <i>Minecraft</i> used to learn "child-level geometry", it can also be used to learn fairly difficult geometric concepts very easily.
Music	With the preparation of some Redstone circuitry, experimenting with Note Blocks can teach children about notes, octaves and chords.
Social skills	By setting up a private server, parents can provide a safe environment for children to interact with friends and make playing Minecraft a cooperative event. Using a Local Area Network (LAN, or "home network") will allow children to play in the same room or same WI-FI network with their friends. By using Voice over Internet Protocol (VoIP, or "voice chat"), a phone call, or the in-game text chat, they can play together wherever they are. It is also possible to set up a Minecraft Realm. A minecraft realm is a server run by Mojang. Minecraft Realms costs \$13/Month. You can easily setup a server and invite your child's minecraft friends. You can also set up various minigames for your child to play on or just a default minecraft world. For more info on Minecraft Realms, go to this page #. These methods allows children to work together to build, explore, and learn as they develop their social skills, especially teamwork. For older children, contributing to the Minecraft Wiki can be a chance to learn about Internet etiquette and collaboration.
Basic Technological Science	Redstone circuitry provides an interactive environment to build basic logic circuits and combine them for more sophisticated purposes. Feedback is immediate, and the mistakes don't destroy expensive electrical components.
Linguistics Hello! - ¡Hola! - Hallo! Salut! - Γεια	Via the options menu, children can select various languages to use while playing Minecraft. If a child can name an item by sight, there is a higher chance that the child will be able to at comprehend at least a few words of a new language very quickly.

### Why Minecraft?



Photo by bohman, Flic.kr/p/bm1PF6

### Why Minecraft?







### Filip Smolcec's Youtube Channel- Youtube.com/snakegaming12



### SnakeGaming12

Home Videos Playlists Channels Discussion About Q

### What to watch next







by SnakeGaming12 130 views 1 month ago



#### SHOUTOUT TO DISCONNECTED REALM

by SnakeGaming12 73 views 2 months ago



### Guard is tyring to DANCE! Assassin's Creed 3

by SnakeGaming12 55 views 2 months ago

200 SUBSCRIBERS!!! THANK YOU!!! (New Series comming

### Filip Smolcec's Online Presentation







Futureofeducation.com/page/recordings-2014

### Platforms \$\$

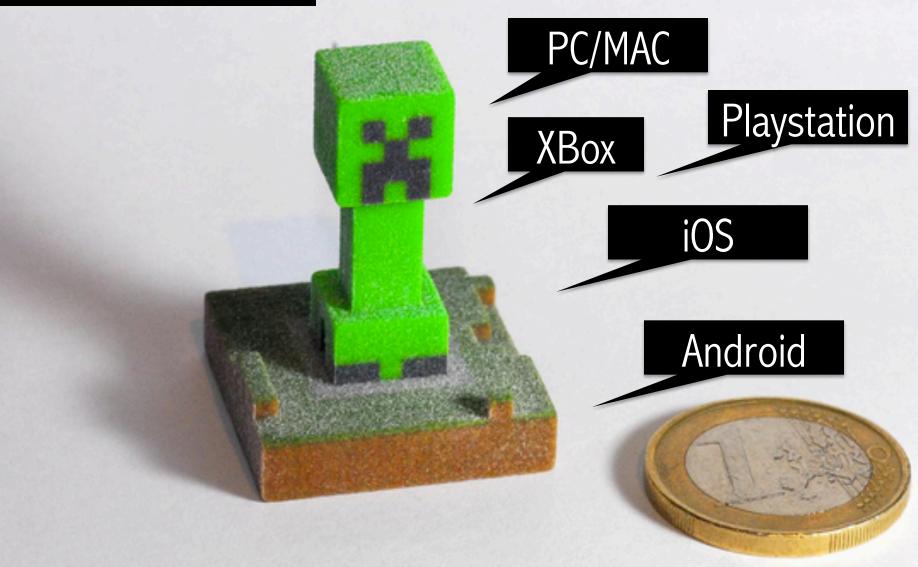
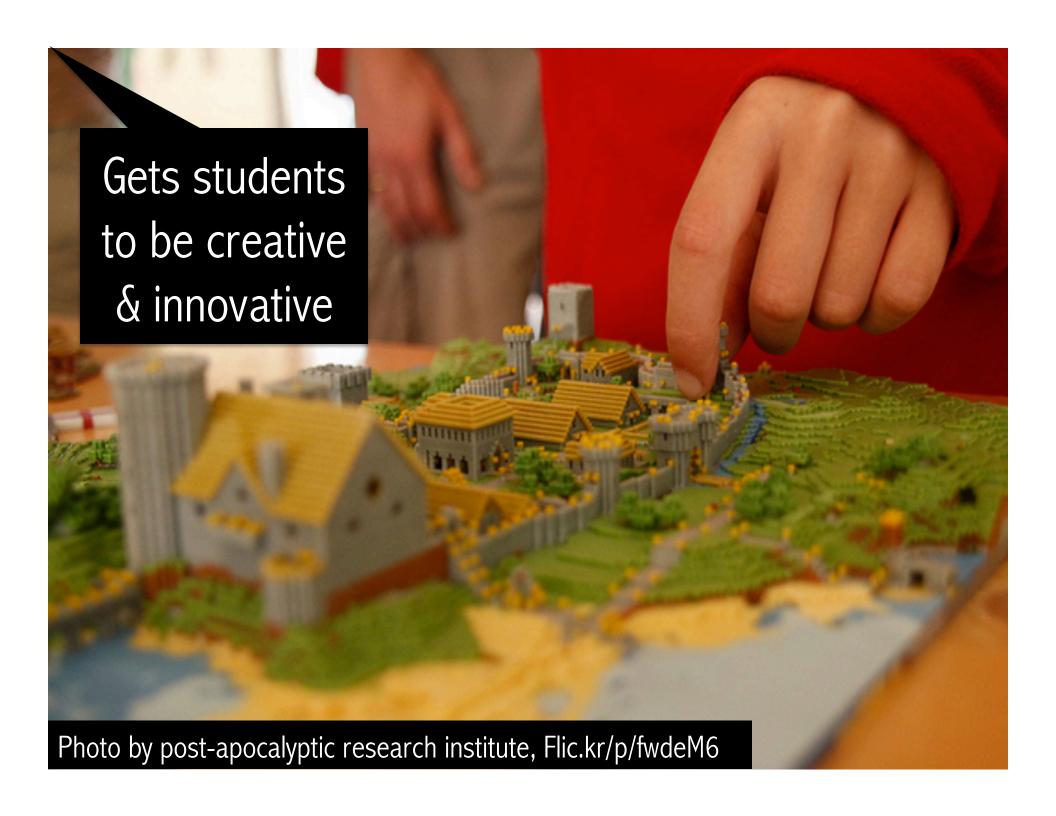


Photo by post-apocalyptic research institute, Flic.kr/p/bjeQKn



### How Videogames Changed the World



Youtu.be/9xAlpVxL3HU

### Geekwire.com/2014/minecraft-education-strategy

# How Microsoft can use Minecraft to build its education strategy

BY FRANK CATALANO on September 16, 2014 at 8:08 am



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Educators had the right to feel a little freaked out about Microsoft's announcement that it was acquiring Minecraft maker Mojang.

Microsoft's news release stated, "The Mojang team will join Microsoft Studios, which includes the studios behind global blockbuster franchises Halo, Forza, Fable and more." Xbox head Phil Spencer's blog said, "Minecraft adds diversity to our game portfolio and helps us reach new gamers across multiple platforms." And Mojang's own blog post noted, "We're confident that



(image via @poweredredstone on Twitter)

GeekWire Summit, Oct. 2



A Confer on the be of publicly broadb infrastru

Minecraft will continue to grow in an awesome way."

### Minecraft.gamepedia.com

### Minecraft functions and gameplay [edit]

- Mod Short for "modification", a mod is a player-made re-write of certain game features, to either add new things (new items, blocks, tools, mobs, structures, etc) or change existing ones.
- · Features Components of the game such as logic, lights, animals, blocks, or anything else that resides in the world of minecraft.
- Structures Buildings generated by the game (Nether Fortresses, dungeons, villages, strongholds, et cetera).
- · Skins The visual appearance of your character in-game, that you either make or download from external sites.
- NPC Non-Playable Character. Al in the game that you can interact with but not play as\*.
  - \*Exception: one can view the world from a mob's viewpoint with Spectator Mode (/gamemode 3) in version 1.8+.
- Resource packs A player-made set of resources that change the appearance of blocks, and the appearance and sounds of mobs (previously known as texture packs). (Note: Sound files must be in .ogg format!)
- SMP/SSP Survival Multiplayer and Survival Singleplayer.
- Spleef A popular, player-generated game in multiplayer, in which the player has to dig the blocks under his opponent to kill said opponent.
- PvP 'Player vs Player', meaning that you can attack other players, and they can attack you.
- PvE 'Player vs Environment', meaning that you fight against mobs, weather, and time
- · Classic Creative An old, but original version of Minecraft Creative mode. You can find it on the website.
- Commands Abilities granted to certain players by typing them into the chat (example: /help is a command that will list other commands).
   Most (but not all) servers will not allow normal players to use most commands, but some servers will have more commands for players to use.
   It is very rare, however, for a server to allow players unrestricted rights to commands.





### Why Minecraft may well be one of the best games for language learning

25/03/2014 5 Comments

Hove Minecraft.

I don't own it. I've never played it. I don't know how to play it.

But I love it.

Why? Because, as a teacher of English as a Foreign Language, I have seen it have a HUGE impact on my learners over the last couple of years. Despite it pixelated retro looks, complete lack of storyline, missions and targets and its minimal direct language input, it has enthused and engaged a vast majority of my students, both boys and girls, like no other game. In fact, it has a positive effect on them like nothing else I have seen in my years of teaching.



# Dodgsol

### Pinterest.com/eltsandbox/minecraft-and-language-learning

### Minecraft and (Language) Learning

Links about Minecraft and its uses in an educational setting

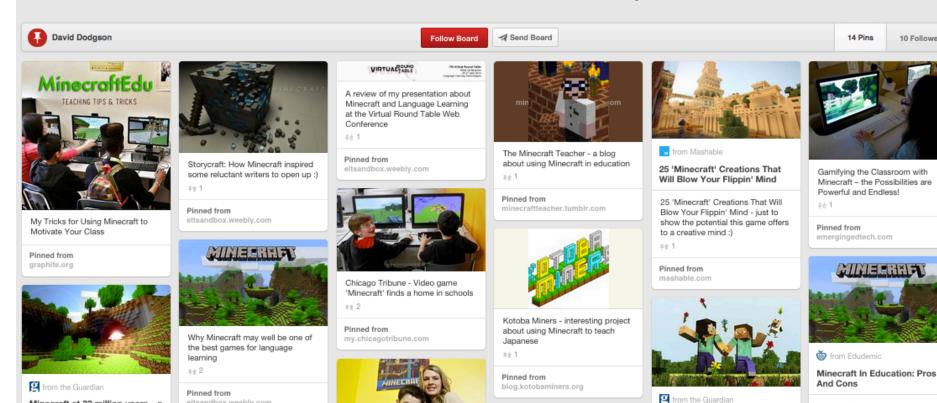
10 Followers

Minecraft In Education: Pros And

Cons - Edudemic

Minecraft: how a game with no

rules changed the rules of the



personal story

Minecraft at 33 million users - a

eltsandbox.weeblv.com

## Duncanbilingual.blogspot.com/2013/09/minecrafting-our-learning-space.html





### Minemum.com/minecraft-educational



Create
Evaluate
Analyze
Apply
Understand
Remember

HOME

**GAME BASICS** 

**ARTICLES** 

HOW TO'S

QUESTIONS

MODS HELP

**CRAFTS** 

LEARNING

**RESOURCES** 

So how does playing Minecraft stack up as a learning exercise? Does it encourage development and expansion of thinking skills? Let's take a look, using real-life examples taken from my kids during a typical Minecraft session.

BLOOM'S TAXONOMY APPLIED TO MINECRAFT

### Level 1: REMEMBER

- · List all the items in their inventory
- Know the available actions and which keys to press
- Recall how to save and quit the game

### Pearltrees.com/shellyterrell/minecraft-edu/id12593241

### Minecraft Edu







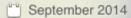








By shellyterrell



- 18 items

Breaking the Learning Blocks -A Review of my...



Storycraft: Using the world of Minecraft as...



SnakeGaming12



The Minecraft Teacher



Minecraft in education



Resources -Minecraft in Education



Minecraft Wiki:Projects/Min ecraft in education/M...



Community Library for minecraft



Minecraft Makes You Think • MineMum



Sean Fay Wolfe



Beyond Minecraft: Games That Inspire Building...



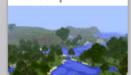
SIXTY SEVEN Minecraft activities for learning,...



duncan bilingual: Minecrafting our Learning...



Crafty Ways to Use Minecraft at School | ...



### Beyond Minecraft: Games That Inspire Building and Exploration 📵 🗈 🕙



· Digital Tools

### By Tanner Higgin, Graphite

The success and popularity of Minecraft in and out of classrooms is no surprise. It's one of the best examples of the potential of learning with games because it embraces exploration, discovery, creation, collaboration, and problem-solving while allowing teachers to shepherd play toward

any subject area.

http://blogs.kqed.org/mindshift/2013/11/beyond-minecraft-games-that-inspire-building-and-exploration/

How can we tell if a game is effective for learning?



Group #1: Jennifer James, Liahlanni Cruz, Melissa Balajadia, and Valene Salas

Title of Game: Batter's Up Baseball Grade Level: Grade 2 (Ages 6-9)

Subject: Math (Addition and Multiplication)

Site URL: http://www.prongo.com/math/index.html

Instructions: Rate each category by circling the thumbs. Please see the key



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	Attractive/Interesting	되 의 리
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Sound	Relates to game	<b>dd d</b>
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	Quality	<b>리리 리</b>









# Slideshare.net/santaana1/onlinegame-rubric-3285269

	Instruction	
Directions	Brief     Straight Forward     Clearly Stated     Different levels	
	Appropriate word usage	ब्बं ब्
Load Time and Download	Quick to download     Mac or PC	
<b>9</b> 2	Game-based learning	
Purpose	<ul> <li>Relates to subject matter</li> <li>Grade level specified</li> </ul>	
Levels	Progression of levels     Achievable levels	
Interest	Score Keeping     Timed     Stats are kept	
Feedback	<ul> <li>Corrections and explanations given</li> <li>Scoring is clear</li> </ul>	<b>5 1 1 1 1</b>

### Game Based Learning-Pear.ly/cd1wj

### Game-based learning















By shellyterrell

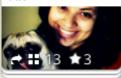
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Learning with Game Consoles &





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Kindergarten Education Games Songs Stories



Game-Based Learning Units for the Everyday...



Free Online Game Creator



Online Game Rubric

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Board Game Rubric

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Introduction to Games & Simulations for...



How to Plan Instruction Using the Video Game...



Kahoot! | Gamebased blended learning &...



The Playful Learning Wiki / FrontPage



The Playful Learning Wiki / Play Quotes



Great Gaming/Learning Ouotes



Create iOS. Android and Flash Games with Stencyl



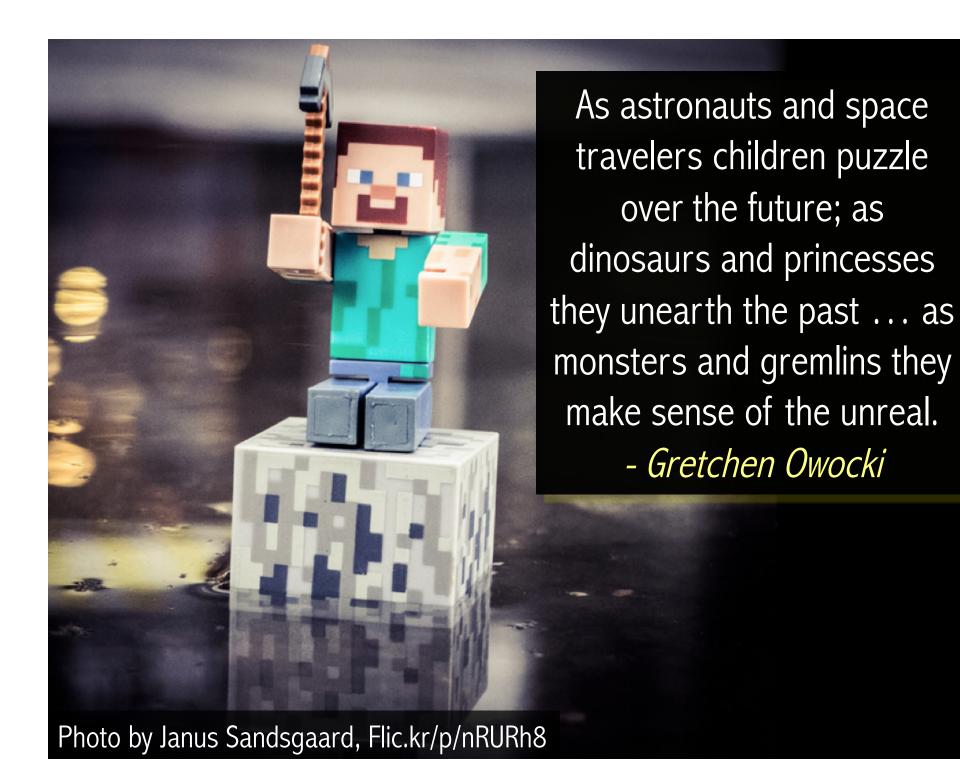
Create your own Interactive Fiction



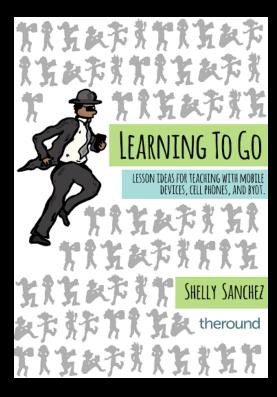
Creating Adventure Games On Your

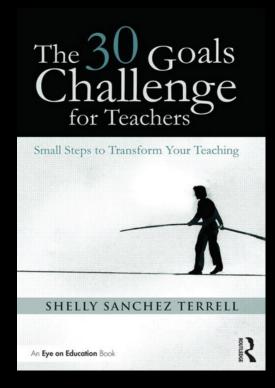












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