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Science Games

Game 1

<http://biomegame.online>

- Do you think your students would enjoy playing this game? Why?

They would like the technology aspect, but I think they would enjoy it more if it was more competitive.

- What do you think your students would learn in terms of science content?

→ animal names

→ which animals live in each environment.

- Does the game support students' use of science practices?

→ Not necessarily, they aren't actually doing much in regards to science.

- What is 1 thing that you would do to make this a better science game?

→ make game more competitive.

→ make technology more accurate.

- How well do you think this game would promote the development of K-3 students' literacy skills? Why?

→ I enjoyed the ~~new~~ aspect of reading the facts about the animals.

- What is 1 thing that you would change or add to the game to improve its ability to support K-3 students' developing literacy skills? Why?

→ Have questions for students to ask answer about the content they have learned.

Game 2

Find an online science game that you could use with your students.

- What is the URL to the game?

pbskids.org/catinthecat/games/marbleous/marveltoaster

- ① ■ Do you think your students would enjoy playing this game? Why?
- ② ■ What do you think your students would learn in terms of science content?
- ③ ■ Does the game support students' use of science practices?
- ④ ■ What is 1 thing that you would do to make this a better science game?
- ⑤ ■ How well do you think this game would promote the development of K-3 students' literacy skills? Why?
- ⑥ ■ What is 1 thing that you would change or add to the game to improve its ability to support K-3 students' developing literacy skills? Why?

↳ answers on back

yes, because they can make their own roller coaster. They can design it based on their knowledge of forces & motion.

• Forces & Motion

• yes, it allows them to use their creativity to manipulate different things in the game in aspects of motion.

• should be able to get to different levels of difficulty.

• It doesn't promote literacy skills.
That is the downside of the game.

• Add more words and descriptions throughout the game.

y y

Kellie O'Keefe, Ariana Wilkins
Kenzie Courter, Kiersten
St. Pierre

Science Games

Game 1

<http://biomegame.online>

- Do you think your students would enjoy playing this game? Why?
I don't think they would understand it.
- What do you think your students would learn in terms of science content?
I don't think they would retain much.
- Does the game support students' use of science practices?
No
- What is 1 thing that you would do to make this a better science game?
More animals, different levels of game (not just difficulty)
- How well do you think this game would promote the development of K-3 students' literacy skills? Why? fairly well - they have to read the info & they might come across unfamiliar words
- What is 1 thing that you would change or add to the game to improve its ability to support K-3 students' developing literacy skills? Why?
It supported literacy pretty well. Maybe have them type the names of animals.

Game 2

Find an online science game that you could use with your students.

- What is the URL to the game?
Sciencekids.co.nz
(plants + animals game)
- Do you think your students would enjoy playing this game? Why? NO; too simple + not open-ended
- What do you think your students would learn in terms of science content?
- Does the game support students' use of science practices? NO
- What is 1 thing that you would do to make this a better science game? Allow pictures to be taken of incorrect answers
- How well do you think this game would promote the development of K-3 students' literacy skills? Why? A little - they can read explanation at the end
- What is 1 thing that you would change or add to the game to improve its ability to support K-3 students' developing literacy skills? Why?
Have them either type or match label to object

Eryn, Amanda, Maddy, and Kayla

Science Games

Game 1

<http://biomegame.online>

- Do you think your students would enjoy playing this game? Why?

No, because they wouldn't learn anything from this or as much as we would like and it is not grade level appropriate for the younger grades.

- What do you think your students would learn in terms of science content? Different animals live in different places.

- Does the game support students' use of science practices?

No

- What is 1 thing that you would do to make this a better science game?

Have a bigger variety of animals in each biome, choose grade level, make it more interactive.

- How well do you think this game would promote the development of K-3 students' literacy skills? Why?

I don't think it would promote their literacy skills well especially for the younger grades and students.

- What is 1 thing that you would change or add to the game to improve its ability to support K-3 students' developing literacy skills? Why?

Have students click on different things and have some talk about or give information for students to hear. This can help students hear new vocabulary words and hear what is shown on the screen.

Game 2

Find an online science game that you could use with your students.

- What is the URL to the game?

PBS.org/scigirls/games/creature-features

- Do you think your students would enjoy playing this game? Why? YES, because it talks to them.

- What do you think your students would learn in terms of science content? Animals and identifying for.

- Does the game support students' use of science practices? YES

- What is 1 thing that you would do to make this a better science game?

- How well do you think this game would promote the development of K-3 students' literacy skills? Why? yes it reads to them but also allows them to read

- What is 1 thing that you would change or add to the game to improve its ability to support K-3 students' developing literacy skills? Why?

Matthew, Julianna,
Emma, Autumn

Science Games

Game 1

<http://biomegame.online>

- Do you think your students would enjoy playing this game? Why?
To a certain extent, however the game lacks instruction and isn't DAP for lower levels.
- What do you think your students would learn in terms of science content?
Biome → animals that belong to it
- Does the game support students' use of science practices?
Yes, because it classifies animals based on biome
- What is 1 thing that you would do to make this a better science game?
Write instructions.
- How well do you think this game would promote the development of K-3 students' literacy skills? Why? Each linkable item had a sentence or two that described the biome. K-1 may not be able to read it but could be read to.
- What is 1 thing that you would change or add to the game to improve its ability to support K-3 students' developing literacy skills? Why?
Decrease the language level. Fix glitches and inaccuracies of passages.



Game 2

Find an online science game that you could use with your students.

- What is the URL to the game?

www.brainpop.com/games/constructasaurus/

1. ■ Do you think your students would enjoy playing this game? Why?
2. ■ What do you think your students would learn in terms of science content?
3. ■ Does the game support students' use of science practices?
4. ■ What is 1 thing that you would do to make this a better science game?
5. ■ How well do you think this game would promote the development of K-3 students' literacy skills? Why?
6. ■ What is 1 thing that you would change or add to the game to improve its ability to support K-3 students' developing literacy skills? Why?

1. We think our children would love this opportunity to create their own dinosaur. It is exciting to see if the dino we created could even survive after construction → i.e. is it too heavy to walk?
2. Portions, hunter/gatherer/omnivore, distance, ^{↗ (like to habitat)} habitat, Predator/prey, defense/offense.
3. The child can create a dinosaur, put it through a trial to see if it would work in real life, make edits, and try a new and improved dinosaur. It expands the inquiry process through trial and error without feeling like "work"
4. To include customization options like tooth size, bill ^(like duck) use, use of / size of horns/spikes, different colors, make "realistic" sounds of dino fights, ^{initial} position of head and tail (like  or ) etc. Choose biome, Camouflage options, etc.
5. This game doesn't really have many opportunities for literacy outside of the "journey" of the dinosaur. However it would allow the students to practice their tier 3 words ~~about~~ dinosaurs.
6. Add a "read to me" option ^{↗ (as the words are highlighted)} because the student may not be able to read the text. It would help reiterate reading practices like left-to-right text reading and intonation.

Science Games

Game 1

<http://biomegame.online>

- Do you think your students would enjoy playing this game? Why?

No because there is not enough activity/active engagement, we think they would get bored with it quickly it needs more strategy!

- What do you think your students would learn in terms of science content?

Habitats, continents, which animals live where, temperature across the world.

- Does the game support students' use of science practices?

Yes, because they have to know the differences between the animals and where they live.

- What is 1 thing that you would do to make this a better science game?

I would implement more strategy within the game instead of just clicking so students can play it for longer periods of time.

- How well do you think this game would promote the development of K-3 students' literacy skills? Why?

Students would have to read directions/cloze the biomes to improve literacy but it could incorporate more.

- What is 1 thing that you would change or add to the game to improve its ability to support K-3 students' developing literacy skills? Why?

I would add sound of someone reading it to them. Also further information about biomes, checks/quizzes to hold them accountable for comprehension.

Game 2

Find an online science game that you could use with your students.

- What is the URL to the game?

sciencekids.co.nz/gamesactivities/plantsgrow

- Do you think your students would enjoy playing this game? Why?

- What do you think your students would learn in terms of science content?

- Does the game support students' use of science practices?

- What is 1 thing that you would do to make this a better science game?

- How well do you think this game would promote the development of K-3 students' literacy skills? Why?

- What is 1 thing that you would change or add to the game to improve its ability to support K-3 students' developing literacy skills? Why?

answers
in back



es, because they have some control over different parts of the game, such as how much water, heat, and natural sunlight the plant receives.

tudents would learn that plants need both heat, water and sunlight in order to grow. They will also learn that too much heat or water can also make the plant die.

es, because the game goes on to ask students questions such as "what happens if you give the plant too much water?" etc.

ave more variables in the game to control, such as how much the blind can be opened or closed.

itudents have to read the questions and look at the pictures to complete the activity. Students could also share their finding with the rest of the class, or write them down on a worksheet to go along with the game.

rovide more questions for the students to answer, as well as asking "why?" questions.

Korina, Caylie, Kyra, Brittney

Science Games

Game 1

<http://biomegame.online>

- Do you think your students would enjoy playing this game? Why? *No, there are no instructions, it's not super fun to play & looks kind of generic.*
- What do you think your students would learn in terms of science content? *Some of the animal facts & the temperature of the biome. A little list of what each looks like.*
- Does the game support students' use of science practices? *No, students don't really have to interact much & don't have to question anything.*
- What is 1 thing that you would do to make this a better science game? *Give directions, provide more variety.*
- How well do you think this game would promote the development of K-3 students' literacy skills? Why? *A little, as they have to read the facts of the biome.*
- What is 1 thing that you would change or add to the game to improve its ability to support K-3 students' developing literacy skills? Why? *Have ~~words~~ the game show the animal names on them & how to pronounce them. This would help students recognize the name in the future & hear a pronunciation.*

Game 2

Find an online science game that you could use with your students.

- What is the URL to the game?
Sheppard Software.com
- Do you think your students would enjoy playing this game? Why?
- What do you think your students would learn in terms of science content?
- Does the game support students' use of science practices?
- What is 1 thing that you would do to make this a better science game?
- How well do you think this game would promote the development of K-3 students' literacy skills? Why?
- What is 1 thing that you would change or add to the game to improve its ability to support K-3 students' developing literacy skills? Why?



1) I think students would enjoy this, there are a variety of animals to choose from & directions to play.

Students would learn about the life cycle of different animals.

With teacher's help to go into it, students could think beyond the game to engage in science practices.

2) Possibly include more life cycles

3) A little. Students would have to read the life cycle names & the ending screen.

4) Maybe give short descriptions to go into each life cycle section

Katie
Stephi

~~Caitlyn~~
Caitlyn
Claire

Science Games

Game 1

<http://biomegame.online>

- Do you think your students would enjoy playing this game? Why?

NO, it's not very engaging or entertaining

- What do you think your students would learn in terms of science content?

only the 4 animals it gave you in that biome

- Does the game support students' use of science practices?

I don't think so - it's cool that it tells you an
but is good that there are good things

- What is 1 thing that you would do to make this a better science game?

Add more animals, where they live within the habitat

- How well do you think this game would promote the development of K-3 students' literacy skills? Why?

Not really at all. Because it's mostly pictures

- What is 1 thing that you would change or add to the game to improve its ability to support K-3 students' developing literacy skills? Why?

There is no goal or ending to the game.
There's no challenge. I would add a lot more

Game 2

Find an online science game that you could use with your students.

- What is the URL to the game?

Dbs.org/Sid/Scientist.html

- Do you think your students would enjoy playing this game? Why?

- What do you think your students would learn in terms of science content?

- Does the game support students' use of science practices?

- What is 1 thing that you would do to make this a better science game?

- How well do you think this game would promote the development of K-3 students' literacy skills? Why?

- What is 1 thing that you would change or add to the game to improve its ability to support K-3 students' developing literacy skills? Why?

1. Yes. This teaches them a lot about jobs they prob never heard of. They're inquisitive

2. They will learn about cool science and what tools they need

5. I think it would a lot because it names different jobs that they might never heard of before.

6. I would add more action games rather than just choosing tools each scientist would need. With labels

