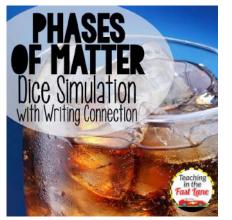


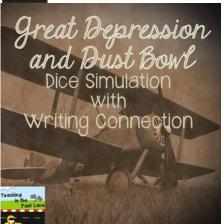
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Teaching in the Fast Lane



CIRCULATION OF A DOLLAR
DICE SIMULATION
AND WRITING CONNECTION



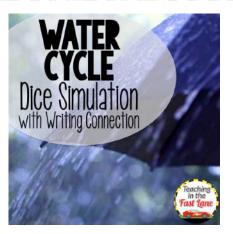


FOR MORE SIMULATIONS!

TURKEY IN HIDING
DICE SIMULATION
AND WRITING CONNECTION





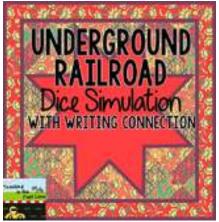


REINDEER GAMES
DICE SIMULATION
AND WRITING CONNECTION





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INCLUDED IN THIS PRODUCT:

- Teacher and student directions for simulation
- Recording sheet
- Sample recording sheet
- Teacher directions for narrative
- Sample narrative based on sample recording sheet
- Rubric for narrative
- Signs for each location with directions
 - For larger classes, I would make multiple copies of each poster and directions, so that lines at each don't get too long.

You will need six dice to complete this simulation. I recommend the large foam dice that can be found at the dollar store.

NOTE TO TEACHER

This is a simulation meant to reinforce students' knowledge of the ways that an oil spill affects the environment. This simulation is a great way to connect science and writing within your curriculum.

TEACHER DIRECTIONS FOR SIMULATION

- Print and laminate each of the location signs constructed directions.
- Hang the location signs and student direction around our classroom and place one die by each poster.
- Hand out recording sheets to such its and review the directions with them:
 - Directions are found to he next page
- Monitor students of they traversor around the classroom during the simulation and connete their reading sheet.
- Assign dept to heir start place on.
 - I do " by nun pering stallents off #1-6 and assign them to the followir allocations:
 - 1. (il Tal er
 - ?. I the C can
 - 🔹 🔲 🔲 an Animal
 - . Cn Fire
 - 5. Clean Up Crew
 - 6. On the Beach

DIRECTIONS FOR SIMULATION

- After each student has their staring locator the, holds begin to circulate.
- At each location, roll the die and ead tree event associated with the number of the Use the underlised words to record your progressind avelocation.
- - If your died re is to any in the same location, then
 got the en of the Le and take another turn rolling
 the die.
- Stucents should commue to travel from location to location in they complete their recording sheet or time is up.
 - ould recommend allowing students to complete the simulation for about 10-15 minutes.

OIL TARKEN



OIL TARKER

- 1. You are sealed in tight, ** / in he oil anker
- 2. There is a leak, ar you slowly crift out into the ocean.
- 3. The tanker runs agrating or d you are spilled onto a lade.
- 4 You a e se ale \ in tig\ \ \, stay in the oil tanker.
- interescalak, not you slowly drift out interth occur.
- 5. The a ker runs aground and you are spilled <u>a beach</u>.



IN THE CEAN

- 1. You continue to float in the octan and disrerse further.
- 2. While floating on the reface you hake your way onto an aring?
- 3. The clear up crew has found you and begins their process.
- r. While loaing at the surface you make your way on the landal.
- 5. You wish up <u>onto a beach</u>.
 - continue to float in the ocean and disperse urther.



ON AN ANIMAI

- 1. You remain <u>on an anim</u> ow cauting its health to get worse.
- 2. The <u>clean up colow the list of analogins</u> their work.
- 3. You remail to an onime stawly causing its health to the se
- 4 The <u>cear up rew</u> fir as you and begins their work.
- to et vors
- 5. The <u>clean up crew</u> finds you and begins their work.



ON FIRE

- 1. You continue to burn out a surface of the Joean, stay on fire.
- 2. The <u>clean up crow</u> in 's you began their work.
- 3. You continue to burn on the surface of the ocean, standing.
- 4 The <u>cear up rew</u> fireds you begins their work.
- on the surface of the ocean, sta <u>o fire</u>.
- 5. The the an up crew finds you begins their work.



LEAN UP CE

- 1. You are skimmed off the frace and place a back in a tanker.
- 2. You are set <u>o n</u> <u>e</u> in
- con rolled Jrn. to contime and you wash 3. The crew constit and to ∴ b∈ ich.
- The caw ise, disper ants that break you down in the oce
- skin, led off the surface and placed back ker.
 - are set <u>on fire</u> in a controlled burn.



ON THE BEACK

- 1. The <u>clean up crew</u> fina. U and get to write.
- 2. A bird walks throu you, nd you re on an anima
- 3. Waves draw // u back in to the ocean.
- 4. You crest a fire in connolled burn.
- 5 The <u>cear up rew</u> fir as you and gets to work.
- on in inim

Name_____ #___ Date___

OIL SPILL DICE STMULATION

1	Begin	1 1	
2		77	
3		13	
4		14	
5			
6		16	
		17	
8		18	
9		19	
2		20	

SAMPLE RECORDING SHEET FOR OIL SPILL DICE SIMULATION

1	Begin on a tanker	11	On file	
2	In the ocean	12	(lean to crew	
3	On an animal		C a tar er	
4	On an animal	14	On '+ nker	
5	Clean up cler /	15	On the beach	
6	In the or an	16	On an animal	
7	. the cech	17	Clean up crew	
-	In the cited	18	On fire	
	Onte each	19	Clean up crew	
1re 2		20	In the ocean	

TEACHER DIRECTIONS FOR NARRATIVE

- After completing the dice simulation students at ready to write a narrative from the point of victor from an oil spill.
- Students should use their read din a shee (the locations they visited) to vrite a narrange piece about their advanture.
- By following the rescording het and adding details, stude its will have a native describing their adventile. It is a so important for students to use their scance roc but win the narrative.
- It is a ight for dents to not use all of the locations on the recording sheet, but they should include at least relevants.
- rupric for the narrative is included.

SAMPLE NARRATIVE

My oil drop friends and I were partying on a tanker on our way from a deet water drilling platform to a port when all of a suddon we hit some hing. If friends and I sloshed back and forth violently, and then with mysolif keing sucked wants a large split in the hull of the tanker.

I rushed through the hole in the side of the tank r and wo out in the septore ocean. I started to slowly float towards the fact the ocean and become separated from my friends. Once I reached the Jurface I sight in relief, and thought that my journey was over, but before I new it was belonged in by a large pelican.

The pelican suddenly flow a vay as took rewith it. It is buried deep in the feathers of the pelican's wing. The view from the ky was magnificent. I loved every minute of flying over the and, but a full that hat me being on the pelican's wing was making it is to read the pelicant of fly. Before I knew it the pelican could no longer fly as a vas a lifting in the oce. In the oil on the pelican's feathers did not allow stay we terproof are it soon started to get very cold.

Jokily the policant as sported by the clean up crew that was in the area due to the oil spir. The rew volume ble to wash the oil off of the pelican and I wound up to the beach With each wave that rushed over me I felt myself being pulled back in the ocean and collected on the surface of the left oil droplets from the same oil spill.

con all burn was the best way to get rid of us. Last I heard, the burn is planned for to non v. Tonight I sit and wait.

RUBRIC FOR OIL SPILL DICE SIMULATION MARRATYYE

	1 point	3 points	Z-oin.
Grammar, Mechanics, & Spelling	Many mistakes that make it difficult for the reader to understand.	A ferrir akes, bu २ ३ ३ac can still under and.	Only 1-2 m akes and the recurrent transformation and the stand.
Organization and Coherence	The story not not sense confolic vorder on the story	The sory follows of eights, but lacks herence.	The story follows a logical order and is coherent.
Events from re "ng shee	In udes or less ever m th simulation	Includes 4-5 events from the simulation.	Includes 6 or more events from the simulation.
Details a 1 Scientifi (ocabula	No a s are added. Academic vocabulary is not present	A few obvious details are added along with some academic vocabulary.	Many imaginative details are added. Clear use and knowledge of academic vocabulary is present.

Total Score ___/20

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