

Simulation Instructions/Daily Plan

Day 1: Each table is assigned an animal. They can make a drawing of their animal or some kind of sign that represents their animal that can hang above their table. The animal options are: bird, penguin, panda, and sea turtle. They will also get to make sock puppets of their table group's animal.

Day 2: The teacher introduces the simulation. They will receive puzzles that they have to solve, and the activities they do after solving the puzzle will depend on the answer to the puzzle.

Day 3: They get their first puzzle and try to solve it as a table group.

Day 4: The teacher makes sure that each team has the correct answer. If they do they get to go to the Astroboats website and learn about deforestation while other teams finish. Then they have to write a story as a table about how deforestation (or other environmental problems) is affecting their animal in the real world.

Day 5: They get their next puzzle after sharing their stories to the class. They begin solving the puzzle.

Day 6: While waiting for other teams to finish up, they can use the website to learn about energy saving.

Day 7: The teacher tells the class about how the first two puzzles were to practice and now they have to solve three different puzzles that will tell them what their final project is. They will have to complete it as a table is for the simulation.

Day 8: They get final puzzle #1.

Day 9: They get puzzle #2 if they are done with #1.

Day 10: They get puzzle #3 if they are done with #2 and #1.

Once they have completed the three puzzles they will find that their final project is to save the world. The table group will need to come up with something that the whole class has to do at home, or something they can do at school that will help save the world.

Examples:

- Have a no waste day at school
- Make sure everyone turns off the lights when they leave classrooms
- Pick up trash around the school
- Plant trees near the school

Puzzle #1

My 1st letter is in day and also in dent
My 2nd letter is in Earth but not in trash
My 3rd letter is in flood and also in feather
My 4th letter is in coal but not in chalk
My 5th letter is in water but not in wasteful
My 6th letter is in weather and also in bicycle
My 7th letter is in sun and also in solar
My 8th letter is in wasteful and also in dirt
My 9th letter is in car and also in walking
My 10th letter is in desert but not in reads
My 11th letter is in air but not in Earth
My 12th letter is in oil but not in light
My 13th letter is in radiation and also in Sun

Answer:

Puzzle #2

Start with:	SHOW
Change the O to a U	
Change the W to an L	
Change the H to and A	
Add "ING" to the end	
Change the "IL" to a W	
Change the A to an O	
Change the S to a T	
Add an S to the beginning	
Change the T to an H	
Change the O to an A	
Take out the H and the U	

Start with:	ANSWER
Move the E to the front	
Switch the A and the N	
Replace the W with a G	
Switch the R and the S	
Change the S to a Y	
Change the A to an E	

Now switch the words around and what does it become:


Final Puzzle #1

Unscramble the words:

E E N G Y R

— —  — — —


O E F T R S

— — — —  —

H E V A E T A W

— — — — — —  —

A S T E W

— —  — —

Now unscramble the highlighted letters

Final Answer:

— — — —

Final Puzzle #2

Match each answer with a letter and put them in the blanks to find your answer.

$43 * 54 =$

$39 * 23 =$

$13 * 30 =$

$98 * 28 =$

Final Answer: ____ ____ ____ ____

A= 897	B= 9331	C= 103	D= 428	E= 2744	F= 552	G= 235	H= 628	I= 3214	J= 758
K= 5678	L= 1234	M= 5839	N= 5486	O= 2119	P= 6284	Q= 6509	R= 478	S= 2322	T= 1122
		U= 498	V= 390	W= 963	X= 124	Y= 492	Z= 439		

Final Puzzle #3

Decipher:

E2 C4 D2 C1 A4

Using:

	1	2	3	4	5
A	A	B	C	D	E
B	F	G	H	IJ	K
C	L	M	N	O	P
D	Q	R	S	T	U
E	V	W	X	Y	Z

Answer:
