Phase 1- Designing Your Land

The tech team will meet with Ms. Horvath to create the land tiles. The remaining group members will design the land.

Step 1- Brainstorm uses for the four landforms.

<u>Water</u>	<u>Land</u>	<u>Forest</u>	<u>Mountains</u>

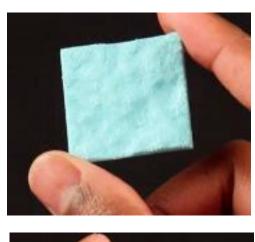
Your land will be a 6 by 6 array and must include forest, water, mountains, and open land. Think about survival as you make decisions about the location of your landforms.

Follow the key and design your land.						
	Mountai	ns (pen Land	Water	For	rest

Phase 2- Calculating and Explaining your Percentages

wnat percen	itage of ea	ach landform di	a you decide	e to use and w	ny.		
Forest	_%	Open Land	%	Water	%	Mountain	%
Which landfo	orm cove	rs the largest pe	rcentage of	your land?			
		nore of this land rm help you sur		he others?			
Which landfo	orm cove	rs the second la	rgest percer	ntage of your la	and?		
•		of this landforn m help you sur		ther two?			
Which landfo	orm cove	rs the third larg	est percenta	ige of your lan	d?		
		of this landforn m help you sur		ther one?			

Which landform covers the smallest percentage of your land?How does this landform help you survive?
Think about the location of your mountains, water, forest, and open land. Why did you choose thes locations? How does it help with survival?









Phase 3- Writing the Script

You will use Lego people to walk your land and describe the features. You will explain the reasons for choosing the locations and amount of each landform.

Write your script below.

Phase 4- Recording and Mathematical Extension.

You will need to take completing the mathe	turns using the tiles to record. When you are not recording ematical extension.	इ, you are
Using your script abo	ove, create a video of your Lego person exploring and descri	bing your land.
You may use an appro	oved app of your choice. Suggestions: Explain Everything o	or iMovie
All group members m	nust contribute.	
Your video should be	e between 1 and 2 minutes	
Mathematical Ex	xtension.	
Suppose each tile rep	presented one square mile of land.	
How many square mi	iles is your land?	
	letermine the number of square miles each landform would eld. Medfield is 14.59 square miles.	cover if your land
Forest:	Open Land:	
Water:	Mountains:	
	letermine the number of square miles each landform would achusetts. Massachusetts is 10,554 square miles.	cover if your land
Forest:	Open Land:	
Water:	Mountains:	

Use a proportion to determine the number of square miles each landform would cover if your land was the size of the US. The US is $3,805,927$ square miles				
Forest:	Open Land:			
Water:	Mountains:			
Use a proportion to determine the number of square miles each landform would cover if your land was the size of North America. North America is $9,365,000$ square miles				
Forest:	Open Land:			
Water:	Mountains:			
Use a proportion to determine the number of square miles each landform would cover if your land was the size of the world. The world is 57,308,738 square miles				
Forest:	Open Land:			
Water:	Mountains:			
What percentage of the world's lar	nd is the United States?			
What percentage of the United Sta	tes is Massachusetts?			
What percentage of Massachusetts	s is Medfield?			
What percentage of the world's land is Massachusetts?				
What percentage of the United Sta	tes is Medfield?			