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KVSOP Bertini / Knox STEAM ... Mars Scape Mapping the Terrain with Mars Bots

Name_	 	
Date_		

References (3 video clips)

https://www.

nationalgeographic.com/science/space/solar-system/mars/National Geographic Mars 101

Youtube:

https://www Inside NASA InSight Landing on Mars/ Watch This Space

https://www Sounds of Mars Listen To Martian Wind Through NASA
Insight Senses Martian Wind

Focus Questions: (after watching the above clips answer the following questions)

1.	In the past how was Mars similar to Earth?
2.	How did the solar wind negatively affect the atmosphere on Mars?
3.	What are some physical features on Mars' surface?
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4. What is the weather like on Mars?

5.	What is the overall purpose of sending InSight to Mars	?
6.	What are some of the safety devices on InSight that prom crashing into the surface of Mars?	revent it
7.	Why was there " 7 minutes of terror" during the InSigh	t mission?
8.	What technology does InSight use to detect how close the Mars's surface?	it is to
9.	What instrument was used to record the Martian wind?	
10	What did the seismometer actually record on Mars to caused the Martian wind?	hat
Create includ Simple Compl Volcar		oe must
_	Mountain water basins	

Different layer of sediments (colors to be used orange, red, brown, tan & green)

MATERIALS FOR Mars Bot

- Electric toothbrush
- · Pool noodle
- · Scissors & xto knife
- Rubberbands
- Markers & Crayons (multicultural crayons)
- Paper

DIRECTIONS

- 1. Cut pool noodle to approx 5" length with a knife.
- 2. Insert electric toothbrush into opening until the bottom is flush.
- 3. Wrap two rubber bands around the sides so they are tight.
- 4. Insert three markers so they are level on surface of paper.
- 5. Turn on the tooth brush, set it on a sheet of paper and watch what your Mars Bot can do.
- 6. Using the Mars Bot create a Marscape with the above features.