Water Shapes Land

Plan and test how moving water changes a model of loose land.

E.1.9B.3 "With teacher guidance, plan and conduct a structured investigation to determine how the movement of water can change the shape of the land on Earth."

NAME _____ DATE _____

Teacher: this page is run aloud. The script and answers are on the guide page.

1 PLAN IT

a

drip	**draw**	**erase**

b

sound	**shape**	**color**

2 TEST IT

Guess	
Saw	

ANSWER KEY

Water Shapes Land

GRADE 1 · E.1.9B.3

HOW TO RUN THIS PAGE

Read each question aloud. Help students make a small pile of torn paper bits to model loose land, then guide each student in dripping water over it and recording what happened.

Students never read directions on this sheet. Read each part's script aloud, then each prompt, giving think time before students mark.

PART 1 · PLAN IT

SAY "We will test what happens when water moves over a pile of tiny paper bits. Circle one answer for each question."

ROW	SAY	STUDENTS CIRCLE
a	How can we make water run over the paper without pushing the bits with our hands?	**drip**
b	What should we compare before and after the water runs to tell if our land model changed?	**shape**

PART 2 · TEST IT

SAY "Write M in the Guess box if you think the pile will move and change shape. Write S if you think it will stay the same. With my help, place tiny torn paper bits in a pile on scrap paper. Rest one end of the paper on a book, then drip water from your hand above the pile without touching the bits. Look at the pile again. In the Saw box, write M if its shape changed or S if it stayed the same."

- Box 1 (beside Guess): **M or S, the student's prediction**
- Box 2 (beside Saw): **M if the pile changed shape, or S if it stayed the same**

WHAT TO ACCEPT

Circle drip, then shape. Accept either prediction. For Saw, accept the letter that matches the student's observed pile, even if it did not change.