

Observable features of the student performance by the end of the grade:			
1	Using scientific knowledge to generate design solutions		
	а	Students describe* the given problem, which includes the idea that wind or water can change the shape of the land by washing away soil or sand.	
	b	Students describe* at least two given solutions in terms of how they slow or prevent wind or water from changing the shape of the land.	
2	Des	scribing* specific features of the design solution, including quantification where appropriate	
	а	Students describe* the specific expected or required features for the solutions that would solve the	
		given problem, including:	
		i. Slowing or preventing wind or water from washing away soil or sand.	
		ii. Addressing problems created by both slow and rapid changes in the environment (such as	
		many mild rainstorms or a severe storm and flood).	
3	Evaluating potential solutions		
	а	Students evaluate each given solution against the desired features to determine and describe*	
		whether and how well the features are met by each solution.	
	b	Using their evaluation, students compare the given solutions to each other.	