Lesson Title	Lesson 1 - River Anatomy
Time	1 - 50 min class period
Resources	 River Anatomy Notes PowerPoint Access to Google Earth
Objective	SWBAT identify and describe the parts of a river.
Standard	HS-ESS2-5. Plan and conduct an investigation of the properties of water and its effects on Earth materials and surface processes.
	 Introduction (5 min) Show students introduction slide in PowerPoint. Read through the scenario as a group or have students read through the scenario on their own and determine their answer and reasoning. Discuss answers as a group. (Correct Answer: Dustin is correct, the river will erode on Side A and deposit sediment on Side B over time.) Notes (20 min)
	 Present the River Anatomy Notes. Have students take their own notes or create guided notes for students to complete. Revisit introduction slide and do a quick check for understanding to ensure that students understand how erosion and deposition occurs in a river.
Lesson Plan	 Activity (20 min) Students will choose a river to apply their new vocabulary to – this could be a local river, a small stream they are familiar with, or a major river such as the Mississippi River, the Nile River, or the Amazon River. Students will use Google Earth to find examples of the following vocabulary words on the river they chose - headwaters, mouth, meander, cutbank, point bar, oxbow lake, erosion, and deposition Students will save images of their examples on their device and label them with the vocabulary words. Note: It can be difficult to find the headwaters of many rivers as they are in wooded areas. Closing (5 min) Students will share their river and the examples they labeled with a partner or group.
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