

5E Learning Sequence

Stage	T	S	Concept
Engage 1-2			The ocean has currents
Explore 1			Currents result from differential density of ocean water due to temperature differences and salinity differences
Explore 2			Major oceanic currents traverse the globe and circulate thermal energy
Explore 3 Explain 1-2			Scientists can model ocean circulation
Elaborate 1-2			To fully understand the role of the ocean in climate, scientists create models to test hypotheses of ocean circulation and oceanic changes
Explain 3 Evaluate 1 Elaborate 3 Elaborate 4			Ocean circulation drives global weather patterns (<i>Elaborate 2 and 3 not modeled in this session</i>)
Evaluate 3			All concepts (<i>Evaluate 2 not modeled in this session</i>)