

Supporting Emergent Multilingual Learners (EMLs) Using UDL



UDL Principles	EML Strategy	Notice and Wonder
<p>1. Engagement</p> <p>Provide multiple ways to engage and/or motivate students to learn.</p>	<ul style="list-style-type: none"> ● Intentionally group students to support English language use and development.* ● Adapt anchoring phenomena to be local, meaningful & accessible. ● Create a safe and accepting space for EMLs by encouraging (and modeling if possible) speaking in English and students' heritage language ● Make explicit the similarities and differences between English and the students' heritage language 	
<p>2. Representation</p> <p>Provide multiple ways or access points to present information to students.</p>	<ul style="list-style-type: none"> ● Intentionally group students to support English language use and development.* ● Highlight cognates in science. ● Use multiple representations to develop students' understanding of new vocabulary or to activate background knowledge. ● Unpack the meaning of certain words in the context of science. ● Explicitly address how language is used for scientific sensemaking* 	
<p>3. Action & Expression</p> <p>Provide multiple means and options for students to express what students know</p>	<ul style="list-style-type: none"> ● Intentionally group students to support English language use and development.* ● Provide students with opportunities to talk in small groups before whole class discussions. ● Encourage students to use linguistic (English or students' heritage language) and non-linguistic modes to express their ideas. ● Allow students to use both content-specific and everyday registers to express their ideas. ● Purposefully use sentence starters to scaffold productive language ● Explicitly address how language is used for scientific sensemaking* 	

Source: EML strategies informed by González-Howard, M., Andersen, S. & Mendez Perez, K. (In press). Enhancing science lessons to address multilingual students' engagement in science and engineering practices. *Science Scope*.