

TABLE 1

## Lesson plan and alignments to NGSS science and engineering practices

5E MODEL AND TIME	6 STEPS LESSON SEQUENCE	GROUP STRUCTURE	ACTIVITY	NGSS PRACTICES
Engage 5 min	<i>Setting the Stage</i>	Whole-Group Discussion	What is misinformation?	Practice 1: <i>Asking Questions and Defining Problems</i>
Explore 10 min	Step 1: <i>Stop. Step Back. Read.</i>	Small and Whole Group	Are they trying to sell you something?	Practice 1
Explain 15 min	Step 2: <i>Become Your Own Fact-Checker</i>	Small-Group Activity	What's their motivation?	Practice 8: <i>Obtaining, Evaluating, and Communicating Information</i>
Elaborate 20 min	Step 3: <i>Evaluate Evidence and Connection to the Claim</i>	Small-Group Activity	What's the alternative?	Practice 8 Practice 7: <i>Engaging in Argument From Evidence</i>
Evaluate 10 min	Step 4: <i>Reappraise</i> Step 5: <i>Make a Tentative Judgement</i> Step 6: <i>Only Share Information You Have Verified</i>	Small- and Whole-Group Discussions	To share or not to share?	Practice 7

TABLE 2

## Categories of information (Wardle 2018)

TYPE	DEFINITION
Misinformation	False content shared by someone who didn't know it was false  <i>Example:</i> Facebook group unwittingly posts false information about harmful vaccine side effects.
Disinformation	False content that is deliberately shared for financial or political reasons  <i>Example:</i> Sharing false information to sell fake COVID remedies.
Malinformation	Accurate information that is shared to cause harm  <i>Example:</i> Sharing someone's COVID-positive status without their permission.