

Unit Design: Scientific Method

Exploration	<ul style="list-style-type: none">• Engineering Challenge #1: Pendulum (days 1-4)
Introduction	<ul style="list-style-type: none">• Homework—Video of clips from the Engineering Challenge showing examples of the scientific method (day 4)
Individual Work & Meta-cognition	<ul style="list-style-type: none">• Homework—Read chapter 1, section 1 and answer reflection questions (day 4)
Conversational Learning	<ul style="list-style-type: none">• Work groups to discuss chapter 1, section 1 (day 5)• Fortune Telling Fish (day 5)
Check Up	<ul style="list-style-type: none">• Formative Quiz on Scientific Method #1 (day 5)
Open Work Time	<ul style="list-style-type: none">• Mini-contract based upon the formative quiz (day 6)
Review	<ul style="list-style-type: none">• Work group discussions & workshop tutoring from formative quiz (day 6 & 7)• Direct instruction on scientific method based upon student review (day 7)
Assessment	<ul style="list-style-type: none">• Formative Quiz on Scientific Method #2 (day 8)
Remediation	<ul style="list-style-type: none">• Remediation will continue through measurement & graphing unit. Students will use the scientific method during additional labs (approximately days 9-15)
Final Assessment	<ul style="list-style-type: none">• End of unit assessment