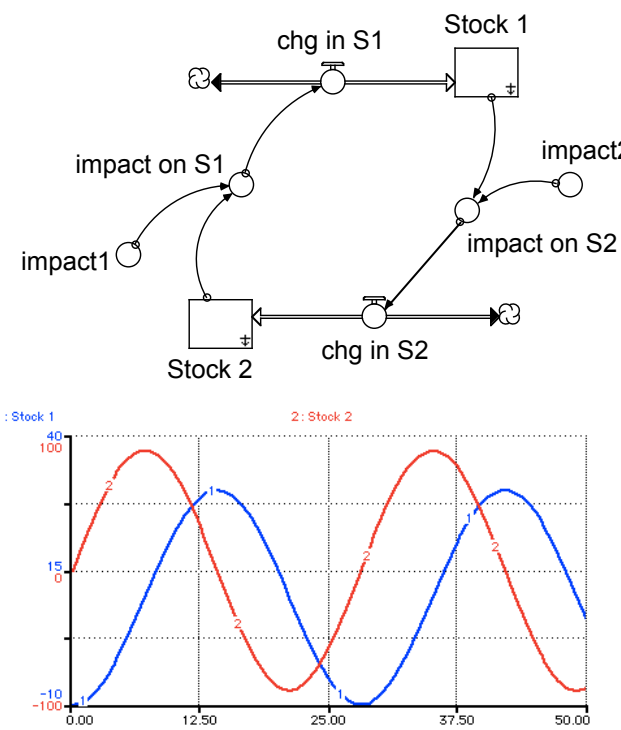


# Oscillating Behavior

Generic Structure/Pattern	General
 <p>The diagram illustrates a system with two stocks, Stock 1 and Stock 2, and their interactions. Stock 1 is represented by a box with a '+' sign, and Stock 2 by a box with a '-' sign. The flow from Stock 1 to Stock 2 is labeled 'chg in S2', and the flow from Stock 2 to Stock 1 is labeled 'chg in S1'. There are two external impacts: 'impact1' and 'impact2'. 'impact1' has a positive effect on Stock 1 and a negative effect on Stock 2. 'impact2' has a positive effect on Stock 2 and a negative effect on Stock 1. The graph below shows the time-series behavior of the stocks over 50 time units. Stock 1 (blue line) and Stock 2 (red line) exhibit oscillating behavior. The y-axis ranges from -100 to 40, and the x-axis ranges from 0.00 to 50.00. The two stocks oscillate out of phase, with Stock 1 peaking when Stock 2 is at a trough and vice versa.</p>	<p><b>Connections to Life: Ecosystems</b></p> <p><b>Lesson Title</b></p> <p><b>Grade Level</b></p> <p><b>Subject</b></p> <p><b>Related Standards/Objectives</b></p>
<b>Lesson/Assessment Outline</b>	
Empty space for Lesson/Assessment Outline content	