

## Translation/Gliding symmetry. Follow the leader.

<b>Title</b>	Translation/Gliding symmetry. Follow the leader.
<b>Category</b>	Sense of space. From 2D to 3D
<b>Goal</b>	<ul style="list-style-type: none"><li>• Introduce the concept of translation symmetry;</li><li>• Enhance cooperation and creativity;</li></ul>
<b>Age</b>	3-12 grade
<b>Activities &amp; Instructions</b>	<p>1. Like in an aerobic class, teacher is standing in front of the class with his back to the group. He then makes easy moves with his legs and arms, while moving backwards, forwards, to sides in a line. The group imitates what the leader does.</p> <p>The teacher then explains the concept of translation symmetry, which imitates the behavior of flock of birds, while flying. They change the leader seamlessly every time the flock changes the direction.</p> <p>2. The class is divided into groups of 3 people. One is the leader and the others are following. In 35 minutes, the group changes the leader until everyone has been one.</p> <p>3. Performance part: every group chooses 3 best movement from the 3 rounds and perform them in front of the group.</p>
<b>Materials</b>	Music: Pink Panther song
<b>Source</b>	Math dance - Dr. Schaffer and Mr. Stern