

## Grade 8 | Transformations | Session Time: 50 mins (7<sup>th</sup> September, 2016)

<b>Topic</b>	Transformation – <b>translation</b>
<b>Objective- Why is this of Value</b>	Precise movement of shape. The students will understand how shapes and patterns can be moved to create beautiful designs <b>We can chart our own story of change</b>
<b>Vocabulary</b>	Image , vector
<b>LOs / resources</b>	Kinesthetic movement, geometry sets, graph book

Pre work		Time Mins
<b>Session</b>	<b>How will I SHOW value</b>	
<b>Setting</b>	<ul style="list-style-type: none"> <li>Take this time to set the class. Have students organize their tables and work, be organized for their session.</li> <li>Check <b>seating arrangement, ventilation, notebook</b></li> <li>Get students to open their work, as needed.</li> </ul>	5
<b>Hook/Reconnect</b>	Students do a revisit of reflection	
<b>Teacher- Instruction time</b>	<ul style="list-style-type: none"> <li>The teacher will take the students to the hall and make them play by marking the X and Y axis along with the coordinate.</li> <li>Their movement will then be used to show the vector movement as a universal communication tool.</li> <li>The students will do the rigor and note taking when back in class.</li> <li>The shape is mapped to the image.</li> <li>The appropriate manner of representation is shared.</li> <li>Give a few shapes to be translated as rigor.</li> </ul>	25
<b>Pause</b>	<b>Go back to the objective –Now do you see.....</b>	
<b>POU</b>	They will participate in the activities and do the rigor to understand reflection.	15
<b>Note taking/ Question Protocol</b>	<ul style="list-style-type: none"> <li>The students will do the rigor when back in class</li> <li>The students can ask questions and seek clarity first on the table and then as a group with the teacher.</li> </ul>	

<b>Key take away of content</b>	<ul style="list-style-type: none"> <li>• Precision and focus allows for better understanding and performance</li> <li>• Remind for the transition protocol</li> </ul>	5
<b>Closing the loop</b> using the board	<b>Go back to the objective / highlight how the session went / which students added value / who took away / what surprised us / what is follow up plan ( BA ) (from text book)</b>	

<b>Reflections ( was it of value )</b> <b>1.</b> Did the session go as planned – yes/ no – if no - why <b>2.</b> Which <b>students</b> need attention?  <b>ATTACH PHOTO AS EVIDENCE</b>	Enjoyed the seeing Dhruv A and Devanshi make good connections to self and the class growth . Also setting of academic and social goals was done. Rigor in the form of reflection and translation is needed
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# BOARD WORK

<p>DATE 7<sup>th</sup> Sept '16</p> <p>TOPIC Transformation Translation</p>	<p>IS OF VALUE (RELEVANCE)</p> <ul style="list-style-type: none"> <li>We can chart our own <u>story of change</u>. <span style="font-size: 2em;">}</span> self. Class } we want to move towards our goal.</li> <li>Precision is the key.</li> </ul>	<p>LANGUAGES OF LEARNING</p> <ul style="list-style-type: none"> <li>Physical Movement</li> <li>Rigor</li> </ul>
<p>😊 Dhruv Anora. Devanshi</p>	<p>SHOW VALUE (GUIDED INQUIRY)</p> <p>• Translation → Displacement</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Horizontal</p> <p>↓</p> <p>X-axis</p> </div> <div style="text-align: center;"> <p>Vertical</p> <p>↓</p> <p>Y-axis</p> </div> </div> <p>Vector representation</p> <p style="margin-left: 20px;"> <span style="font-size: 2em;">{</span> <span style="margin-left: 5px;">x axis</span>  <span style="margin-left: 5px;">y axis</span> </p> <p style="margin-left: 20px;">             + means to the right/up              - means to the left/down         </p> <p style="margin-left: 20px;"> <math>A \rightarrow A'</math> will be <math>\begin{pmatrix} -3 \\ 0 \end{pmatrix}</math> <span style="margin-left: 10px;">x axis movement</span>  <span style="margin-left: 10px;">y axis movement</span> </p> <p style="margin-left: 20px;"> <math>A' \rightarrow A''</math> will be <math>\begin{pmatrix} 0 \\ -3 \end{pmatrix}</math> </p> <div style="text-align: center;"> </div> <p style="margin-left: 20px;">             ① <math>A \rightarrow A''</math> will be ?              ② <math>A'' \rightarrow A'</math> will be ?         </p>	<p>KNOWLEDGE (FACTS VOCABULARY &amp; DEFINITION)</p> <ul style="list-style-type: none"> <li>Vector</li> <li>Image</li> <li>Translation</li> </ul>
<p>☹️</p>	<p>AGENDA FOR THE DAY</p>	<p>ADD VALUE (BA, POU)</p> <p>Math text book - Ex.22.10 - (a)</p>