Stepping Up To Estimation

OBJ: Student will be able to:

1. Estimate their 50m pace count.
2. Compare and contrast their actual vs. estimated pace count.
3. Observe and evaluate how inclines and declines affect their estimates.

Directions
1. Mark off a 50-m level distance and an 50m-inclined distance.
2. Have students estimate their 50m level pace counts only counting on one foot. Record your results.
3. Have students walk 50m and record actual pace count.
4. Have students estimate pace count uphill and downhill and record their estimate.
5. Have students walk uphill and downhill and record their actual pace count.
6. Have students graph actual vs. estimate on all terrains.

<table>
<thead>
<tr>
<th></th>
<th>Level</th>
<th>Uphill</th>
<th>Downhill</th>
</tr>
</thead>
<tbody>
<tr>
<td>Actual</td>
<td></td>
<td></td>
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<tr>
<td>Estimate</td>
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<tr>
<td>Difference</td>
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</tbody>
</table>

Extensions: Have students estimate there pace count up hills of varying degrees 5, 10 and 15 degrees. Now have the students analyze the hills and evaluate whether the hills angle affect their pace count and by how much. Record results.
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