**Assignment: Map the school yard Name:**

**Description:** You will be creating several maps of the school yard that increase in detail each time.

**Skills:** Estimation, ratio, scale drawings and Measurement

**Steps:**

1. Rough Estimate: You will create a rough drawing as accurately as you can from memory of this school grounds. This will include the school, parks, trees, rink and garden.
2. Estimate check: After a walk around the school yard you will update your drawing to improve its accuracy
3. Scale Estimate: Now that you have all the features you will create a scale drawing using grid paper. Decide on a scale that you can check without using a measuring tool (ie. steps to square, feet to square).
4. Scale Drawing: Explore the school yard and check your measurements without a measuring tool.
5. Measurement calculations: Calculate using metres and centimeters your scale drawing (ie. one step = 0.5 metres so the school is 200 steps x 0.5 metres)
6. Maps checking: Check to see how accurate your drawing is using google maps measurement tool.

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| **Criteria** | **Specifics** | **Self** | **Peer** | **Teacher** |
| Rough Estimate | Estimate is as accurate as you can remember |  |  |  |
|  | Includes all features in the park and the school |  |  |  |
| Estimate check | Any missing features were added |  |  |  |
|  | Compared drawing with partner to check for accuracy |  |  |  |
| Scale Estimate | You created and recorded your scale |  |  |  |
|  | Created and estimate drawing using your scale |  |  |  |
|  | Scale drawing is as accurate as you can make it |  |  |  |
| Scale Drawing | You created and recorded your scale |  |  |  |
|  | Perimeter of school yard recorded |  |  |  |
|  | Perimeter of school recorded |  |  |  |
|  | Each school feature was checked |  |  |  |
|  | All measurements checked and accurately recorded |  |  |  |
| Calculations | Measured actual distance of scale |  |  |  |
|  | Calculated actual distance of perimeters |  |  |  |
|  | Calculated actual distance of each feature |  |  |  |
|  | All calculations are accurate |  |  |  |
| Work Ethic | works independently around the school yard |  |  |  |
|  | Able to physically distance when working independently |  |  |  |
|  | Shares and compares knowledge during sharing times |  |  |  |
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| **Write something that you did well during this assignment** | | | | |
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| **Write something you could do better next time** | | | | |
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