

**Outside Math  
Project #1**

Your Name \_\_\_\_\_

**Goal:** You have been hired by the School District to create a 3 dimensional scale model of the school grounds.

**Step #1:** Google Map Feasibility Study With City Planning Management

**Step #2:** Your project team:

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**Step #3: Your Assigned Area:**

The project teams will gather outside to receive their designated 1/6 section of the school grounds.

**Our Section is Part** \_\_\_\_\_

The dimensions of our section are \_\_\_\_\_ metres by \_\_\_\_\_ metres.

The area of our section is \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_ square metres

This means that in our section you can fit \_\_\_\_\_ squares that measure 1 metre by 1 metre.

The perimeter of our section is \_\_\_\_\_ metres.

Our scale model is 43 cm by 28 cm. The area for this will be 43 cm x 28 cm which equals

\_\_\_\_\_ square centimetres. This means that in our model, you could fit in \_\_\_\_\_ square centimetres.

So the scale for our model will be: 1 square cm = \_\_\_\_\_ square metres

#### Step #4: Project Team Assignment 1

Using the provided tape measures, your team is to survey the area and create a draft plan of all you see. Mark a spot for every tree and include accurate distances between each tree. Estimate the height of each tree. Include any boulders that are at least 1 metre in diameter. Note and measure any water features, paths, and bridges. Mark them on your draft map. Remember, for every centimetre on the map, that is one metre in the real distance for your assigned section.

#### Today's Criteria for your Project Team

The City Planner is looking for a high quality (**Grade A!**) team that has the following skills:

- Impeccable Team Skills (What does impeccable mean?)
- 100 percent Time on Task
- Division of Labour (Hmmm??? What does that mean???)
- Support for all Team Members
- Accuracy of your draft map
- Positive Attitude

#### 11:50 Back In the Class Exit Slip

Before the lunch break, please hand in this **Exit Slip** completed in full, including the information on the first page.

#### A. Check off which items applied to you today:

- |       |  |
|-------|--|
| _____ | Impeccable Team Skills   |
| _____ | 100 percent Time on Task   |
| _____ | You Supported All Team Members   |
| _____ | Your Attitude was Positive   |
| _____ | The Draft Map was completed to the best of your abilities  |
| _____ | The Draft Map has all the names of the team members on the back and includes the letter of the section we were assigned. |

B. Today, an area that I could improve in is \_\_\_\_\_.

I will work on improving on this by \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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\_\_\_\_\_