**Zoo Project Steps**

|  |  |
| --- | --- |
| **Choosing Animals**  *Your entire zoo must fit on a maximum of 4 pieces of graph paper.* | |
| Step 1: (On your zoo planning sheet) Choose your first animal and how many you want and total minimum area that will be needed | Zoo Planning Sheet  ▢ Wrote animal  ▢ Wrote how many  ▢ Wrote total minimum area required |
| Step 2: (On your area and perimeter planning sheet), name your animal exhibit, and choose 2 dimensions that will give you the minimum area or more. List your dimensions in the exhibit and dimensions box. Calculate your total area and perimeter and volume and capacity if required. | Area and Perimeter Planning Sheet  ▢ Named animal exhibit  ▢ Wrote dimensions  ▢ Calculated area & wrote it down  ▢ Calculated perimeter & wrote it down  ▢ Calculated volume/capacity & wrote it down |
| Step 3: Repeat steps 1 and 2 until you have a total of 10 different types of animal enclosures, however, to get a 4, you must use as much of the land as possible. | Area and Perimeter Planning Sheet  ▢ Named animal exhibit  ▢ Wrote dimensions  ▢ Calculated area & wrote it down  ▢ Calculated perimeter & wrote it down  ▢ Calculated volume/capacity & wrote it down |
| \*\*\*Remember you need at least 2 of each type of animal you chose and at least 3 must be fully enclosed or housed in water.\*\*\* | |

|  |  |
| --- | --- |
| Starting the blueprint | |
| Step 4:  Start by creating one animal enclosure remember to identify if it requires a fence, tank, cage or pool. Label which animal exhibit you have drawn. | Graph paper  ▢ Label exhibit |
| Step 5: You must have a pathway at least 20m wide to access/view the animal exhibit. | Graph paper  ▢ Drew pathway at least 20m wide |
| Step 6: Continue adding your animal exhibits and pathways until you have graphed them all | Graph paper |
| Step 7: include 2 areas that are non animal related. Consult the bonus area examples list for total area required. | Graph paper & Tips for drawing sheet |
| Step 8: Provide a legend and compass rose and name your zoo. | Graph paper  ▢ |

|  |  |
| --- | --- |
| Labelling | |
| Step 9: 2 pairs of each type of line: parallel, perpendicular, vertical, horizontal, intersecting | Graph paper  ▢ |