**Urban Agriculture Design Challenge**

**Challenge**:

Design an urban farm that can be used as a proposal to the city council.

Your design must be inside a building and you have a budget of $600,000. The end design needs to show the crops and/or livestock you will be growing. Your goal is to be as close to your budget without going over.

**First**: Look over the different types of urban agriculture with your group. Discuss the pros and cons of each. Then determine which type of urban farming would be best for your group and the challenge.

 Our group will be focusing on \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ precision

urban agriculture.

**Second**: Observe the building options. Choose a building that fits your group's budget and the precision urban farming your group chose.

 We will be using building number:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ which is \_\_\_\_\_\_\_\_\_\_\_\_\_\_

percent of our budget.

**Third**: Discuss with your group what you will be growing (crops and/or livestock).

We will be growing:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Determine a budget that will be set aside to obtain your starting stock. *This means you might need to research the cost of seeds or livestock*.

Our starting stock budget is: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Fourth**: Determine the materials and cost of materials that you will need in order to turn your building into an precision urban farm. Keep track of your materials and cost on your budget sheet.

**Fifth:** Draw a model of the steps you will need to take to make your idea become reality.

**Finally**: Create a pitch for your precision urban farm. This could be done using a poster, video, PowerPoint, etc. You pitch must include:

1. Which building you chose and why
2. How your plan will meet the needs of people and meet the goal of the project
3. The precision urban farm you are creating and why
4. Crop and/or livestock that will be grown and why
5. What influence location and cost made on your decisions
6. Anything else that you think will help your idea to be chosen

| **Item** | **Where it’ll be purchased** | **Individual cost** | **Number of item** | **Total cost** |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |