**Aquaponic System: *Revisions & Details***

**System Type**

 *Lead Students: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

 *System Type & Description*

 *Selection Rationale*

 *Sources*

**Location**

 *Lead Students: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

 *System Location & Sketch:*

**Frame**

 *Lead Students: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

 *Materials*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item** | **Quantity** | **Cost/Unit** | **Total Cost** | **Source** |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

 *Design (include labels, dimensions, precise cuts)*

 *Sources:*

**Water**

 *Lead Students: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

 *Materials*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item** | **Quantity** | **Cost/Unit** | **Total Cost** | **Source** |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

 *Fish & Care Protocol*

 *Water Flow Regulation*

 *Water Circulation Design & Description:*

*Sources*:

**Air**

 *Lead Students: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

 *Materials*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item** | **Quantity** | **Cost/Unit** | **Total Cost** | **Source** |
|  |  |  |  |  |
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|  |  |  |  |  |

*Purpose of air circulation*

 *Protocol (e.g., timing)*

 *Design (include dimensions, positioning & size)*

 *Sources*

**Growing Materials**

 *Lead Students: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

 *Materials*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item** | **Quantity** | **Cost/Unit** | **Total Cost** | **Source** |
|  |  |  |  |  |
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|  |  |  |  |  |

*Growing Media & Containers:*

 *Rationale:*

 *Layout (e.g., spacing, container size)*

 *Sources:*

**Lighting**

 *Lead Students: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

 *Materials*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item** | **Quantity** | **Cost/Unit** | **Total Cost** | **Source** |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

 *Light Source:*

 *Lighting Protocol:*

 *Layout (e.g., dimensions, positions)*

 *Sources:*

**Plant Selection**

 *Lead Students: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

 *Materials*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item** | **Quantity** | **Cost/Unit** | **Total Cost** | **Source** |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

*Plant Specifications:*

|  |  |  |  |
| --- | --- | --- | --- |
| ***Plant*** | ***Time to Germination*** | ***Time to Harvest*** | ***Growing Conditions (e.g., nutrients, lighting, temp.)*** |
| Basil |  |  |  |
| *Lettuce* |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

 *Sources:*