**Post-Introduction Assessment**

**Individual brainstorm**: **When you are brainstorming your design, make sure to label all of the materials you need and how many you might need to fill your room. Preview the materials store for items that you would like to use in your design.**

**Design:**

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| --- | --- | --- | --- |
| **Material** | **Quantity** | **Price** | **Total price** |
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**Material price list**

**Budget: $15**

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| --- | --- | --- |
| **Material** | **Price per piece** | **Max quantity** |
| **bubble wrap (30 cm x 30 cm)** | **$3.00** | **1** |
| **steel wool (1 piece)** | **$3.00** | **1** |
| **Play-doh** | **$4.50** | **1 small container** |
| **parchment paper (10 cm x 15 cm)** | **$2.00** | **5** |
| **aluminum foil (10 cm x 15 cm)** | **$2.00** | **5** |
| **sponge** | **$3.50** | **2** |
| **Styrofoam plates** | **$1.50** | **5** |
| **felt (10 cm x 15 cm)** | **$2.00** | **2** |
| **notecards** | **$.50** | **10** |
| **painter’s tap** | **$1.50** | **1 yard** |
| **cotton balls** | **$.25** | **15** |
| **computer paper** | **$1.50** | **5 pieces** |
| **straws** | **$.25** | **15** |
| **paper plates** | **$1.00** | **3** |
| **craft pom-poms** | **$.50** | **10** |
| **pipe cleaners** | **$.50** | **10** |
| **corkboard** | **$5** | **2** |
| **fleece (10 cm x 15 cm)** | **$7.00** | **2** |
| **craft sticks** | **.17** | **17** |
| **foam sheets** | **.25** | **5** |

**Final design**

**Group Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Participants: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Calculate the Surface Area of your tissue box:**

**Length in inches:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Width in inches: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Height in inches: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Surface Area total in inches cubed. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Final group design:**

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**Materials list needed for final design:**

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| --- | --- | --- | --- |
| **Material** | **Quantity** | **Price** | **Total price** |
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**Total Cost: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Teacher approval\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**ACE (answer, cite, explain) the following question:** Explain why you picked specific materials for your soundproof room design based on the previous activity and data collected.

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| --- | --- | --- |
| **Answer** | **Cite** | **Explain** |
|  |  |  |