

Name: _____ Date: _____ Class: _____

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:

Material	Quantity	Price	Total price

Name: _____ Date: _____ Class: _____

Material price list

Budget: \$15

<u>Material</u>	<u>Price per piece</u>	<u>Max quantity</u>
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

Name: _____ Date: _____ Class: _____

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:



Name: _____ Date: _____ Class: _____

Materials list needed for final design:

Material	Quantity	Price	Total price

Total Cost: _____

Teacher approval _____

Name: _____ Date: _____ Class: _____

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.

<u>Answer</u>	<u>Cite</u>	<u>Explain</u>