

## Concrete Test Results Evaluation

After analyzing the data, decide which materials you will use in your final pieces for our final testing.

- Step 1: Evaluate the strength of the material
- Step 2: Evaluate the durability of the material
- Step 3: Estimate the availability of the material
- Step 4: Evaluate the cost of the material
- Step 5: Evaluate any other special considerations that the material offers
- Step 6: Determine the best material to use by adding all of your scores together

### Evaluation Matrix

Fill out the chart for each material used. Rank them with a number 1-10 (with 1 being the worst and 10 being the best) for each category. Add up the totals for each material to determine the best overall.

Material Type	Strength	Durability	Availability	Cost	Other	Total
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

### Final Test Pieces:

As a group, choose up to three materials. Your group will vary the ratios or orientation of your materials in each piece. This will help show what ratios will work the best. Draw out your group’s final test pieces on the back of this paper.