

BREAKING NEWS

Building Materials (~70% of budget)

String— \$20/strand, 5 points each
 Plastic cup — \$90/cup, 20 pts. ea.
 Paper—\$40/sheet, 15 pts. ea.
 Rubber band—\$25/band, 10 pts. ea.
 1" tape strip—\$30/strip, 15 pts. ea.
 Foil square—\$50/sheet, 10 pts. ea.
 Ziti noodle—\$2/noodle, 5 pts. ea.
 Index card—\$30/card, 5 pts. ea.
 Tissue box—\$100/box, 10 pts. ea.

Labor Details & Group

You need to pay **three** construction laborers for an **estimated ten minutes of work** (but, it's construction, so it could take twice as long!) You must pay them at least \$4 per minute. For every minute over 10 minutes, you must pay them at least \$5 per minute. These are minimum wages, though, and the **UNION GROUP** really wants you to pay at least \$5 per minute before 10 minutes and \$7 per minute after 10 minutes. Whatever you do, you must pay more to the workers after 10 minutes.

Tenant Applicants

You must vote by a 2/3 majority to give the last remaining office space to one of these:

- The Boys & Girls Club of America (**GROUP BGCA**)
- A daycare center for parents in the offices (**GROUP KIDDOS**)
- A local branch of a major law office (**GROUP ESQ.**)

More details for each follow. Each group will present an assigned ethics argument to the board for debate and voting.

Gotham Needs Your Help!

The city is in need of a new building. The building must be **free-standing, able to withstand a light breeze, mostly filling but not exceeding the plot of land, and at least 2.5' tall** to accommodate all of the offices that need space.

While the engineering is a feat of its own that you should try to accomplish by the end of the final exam period, there are a host of challenges, both practical and ethical, that must be addressed along the way. These include:

- Staying within the allotted budget (**\$1000**) and the allotted timeframe (**approximately 90 minutes**)
- Using as many ethically sourced and eco-friendly materials as possible. The goal is for materials to add up to < 100 points.
- Addressing environmental concerns about building construction and location
- Paying workers fairly
- Choosing which among the remaining three tenant applicants will fill the last open office space

Procedure

You will be randomly divided into teams representing the different parties involved. You will have several minutes at the beginning to meet with your group, go over your additional group assignment, and develop a plan. Each action item will be completed one at a time as a full class as if you were all members of the planning board. All class members will debate and vote until getting a 2/3 majority on every decision **except those directly involved in or competing for the challenge at hand**. The full class will also be involved with the ultimate design and construction of the tower during the end of the period.

Environmental Oversight

Your plot of land is in an endangered species ecosystem! You can still build, but the **ENVIRONMENTAL OVERSIGHT GROUP** will explain to you why certain design elements are important and should be carefully tended.

Future Considerations

This building should be around for a long time. That means that the cost and tenant decisions that you make now have an important impact. It also means that your construction has to be sturdy enough to withstand the storms that pass through without collapsing. Keep these considerations in mind as you work on the project.

ANYTHING ELSE

Ask

Order of Operations

1. Planning time (10 minutes)
2. Presentation from Environmental Oversight Group (~5 minutes)
3. Presentation from Union Group (~5 minutes)
4. Debate and vote on a building plan and worker wages (how to allot the budget) (~10 minutes)
5. Select and “purchase” materials (~10 minutes)
6. Construction Phase I (3 minutes)
7. Presentations from Tenant Applicant Groups (~5 minutes each)
8. Construction Phase II (3 minutes)
9. Debate and vote on which group to accept (~10 minutes)
10. Construction Phase III (4+ minutes)
11. Debrief

Grading

You will be graded on the following elements:

- Accurate representation of the philosophical views
- Teamwork
- Positive attitude
- Thoughtful work and effort
- Following directions