

Pyramid Construction Project

Please include the following information with formulas and calculations in your team's final report:

- I. The approximate cost of your pyramid. (You will also include this in the final bid spreadsheet.)
- II. The area of the base of the pyramid.
- III. The surface area of the pyramid.
- IV. The length of the incline from the base of the pyramid to the top.
- V. The volume of the pyramid.

The requirements for the final report are listed and described below.

- I. The Written Report
 - A. Cover (with title of project, date, name of team members, and class period)
 - B. Table of Contents
 - C. What We Did As A Team (2-3 pages describing how you completed this project. To be completed as a team and should be well written.)
 - D. The Bid (The bid should include your blueprints or plans, entitled "Pyramid Project:2017", the Bid Sheet, a circle graph detailing your total costs, and the General Specifications for Contracts Involving Labor and Materials.)
 - E. What I Learned (2-3 pages describing what each member of the team learned including all mathematical (see required calculations page) and technological concepts. This is done by each member of the team. This can include reviewed material as well as new material and should be well written.)
 - F. Bibliography

- II. The Scale Model (To be completed according to the scale and specifications discussed in class.)

- III. The Press Conference
 - A. 6-10 minutes in length
 - B. During the press conference, your team should discuss the details of the Bid, the scale model, and the project as a whole including any highlights or difficulties. You should plan to take 4-5 minutes for this portion of the press conference.
 - C. The press conference should include the participation of each team member. Perhaps you may want each member to speak to her/his responsibilities regarding the project. (Example - The accountant may discuss the costs of the project.)
 - D. The press conference should include visual and/or audio aids such as posters, slides, overheads, and music. This component should be discussed with Mr. Pitonyak prior to May 18, 2000.

- E. Once your company is finished presenting your work, the "reporters" will ask your team questions relating to the project.
- F. Reporter questions will be prepared ahead of time by the other teams in your class. Each person will prepare at least two questions.
- G. The press conferences will be video taped and assessed as part of your team's overall assessment for the project.

Job Description of the Project Director

The project director of each team will be responsible for the following duties:

- I. Oversees all aspects of the project.
- II. Assists the secretary in the creation of weekly team report. Signs team reports. Submits weekly Project Director's Report (two paragraphs maximum).
- III. Helps research information pertaining to the building of pyramids.
- IV. Assists in the building of the scale model.
- V. Communicates with Mr. Alexander (is the only member of the team to do so, unless unusual circumstances arise).
- VI. Participates in the creation and the presentation of the final bid and report.
- VII. Participates in all training workshops related to project.
- VIII. Project Director does not perform any duties listed under the other job categories.

Job Description of the Accountant

The accountant of each team will be responsible for the following duties:

- I. Collects and manipulates mathematical data pertaining to project.
- II. Submits weekly Accountant's Report (may be in spreadsheet form or two paragraph maximum). Assists Project Director and Secretary in the creation of weekly team report.
- III. Helps research information pertaining to the building of pyramids.
- IV. Assists in the building of the scale model.
- V. Participates in the creation and the presentation of the final bid and report.
- VI. Participates in all training workshops related to project.
- VII. The accountant does not perform any duties listed under the other job categories.

Job Description of the Secretary

The engineer (or engineers) of each team will be responsible for the following duties:

- I. Helps research information pertaining to the building of pyramids.
- II. Designs and builds scale model of pyramid.
- III. Submits weekly Engineer's Report (two paragraphs maximum).
- IV. Participates in the creation and the presentation of the final bid and report.
- V. Participates in all training workshops related to project.
- VI. The engineer does not perform any duties listed under the other job categories.

Job Description of the Secretary

The secretary of each team will be responsible for the following duties:

- I. Keeps a daily journal of any problems the team experiences and the solutions attempted by the team.
- II. Submits a weekly report detailing the progress of the project. This is done with the help of the project director and the accountant.
- III. Organizes and maintains team folder.
- IV. Helps research information pertaining to the building of pyramids.
- V. Submits final bid and report on behalf of the team. Bid and report are created and presented with the help of the other team members.
- VI. Participates in all training workshops related to project.
- VII. The secretary does not perform any duties listed under the other job categories.

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