Dear Students:

We previously showed you the events of the Godzilla attack on the Red River Bridge. We need your help. The bridge needs to be redesigned. We would like for you to build a scale model of a bridge that can be used to cross the Red River safely given space and resource limitations. For your scale model you must design a toothpick bridge. Your bridge will be tested by hanging masses. The structure of the bridge is up to you, but you are limited on the number of toothpicks. You could create the following (but you are not limited to these designs):

- Arch Bridge
- Re-enforced with double layers
- Standard flat bridge

Furthermore, you must tell us why we should pick your bridge. You could create a:

- PowerPoint
- Essay
- Brochure

These need to include information on the structure of your bridge. We would like for you to explain why we should pick your bridge. Also, we know that your bridges will be tested so take into consideration the design and the breaking point of your project. Also, explain the advantages and disadvantages of your design, and explain how you can make your bridge better. Don’t forget to include information on the force applied to your bridge, and how torque might affect the testing.

Sincerely,

Project Manager

Engineers