

## **Critical Thinking and Problem Solving Outcome Activity**

### **CMET SAC**

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#### Plan of Action:

Critical Thinking and Problem Solving are large components of the CMET (Civil and Mechanical Engineering Technology) program. To assess the outcome of critical thinking and problem solving the SAC has agreed to give the students a real world engineering application. The students will be allowed to use the knowledge they've gained to determine a solution. The problem will be given to students in CMET 121 – Strength of Materials and CMET 236 – Structural Design. CMET 121 is a second term course in the program and CMET 236 is a sixth term course.

The application given to the students will be one that is typically encountered in the engineering practice; no definitive answer exists. The students will be allowed to meet in small groups to discuss the application for a short period of time, and will be given additional time to address the application on their own.

The SAC will then take a sample from both classes and using a rubric will assess the critical thinking and problem solving skills of the students.