

The Relationship between Personal Responsibility and Collective Action



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- Objective:

Develop an instrument to assess students' beliefs about taking personal responsibility for decision making.

- Hypothesis:

Students who accept a high level of personal responsibility will be willing to engage in self-reflection that leads to behavior contributing to social well-being and ethical professional practice.

- Significance:

If students who engage well with affective domain issues will assume leadership roles and practice engineering in an ethical manner, it would be beneficial to identify students with less developed concepts about personal responsibility. This information will be useful for team formation in the classroom and for designing learning activities with which we might be able to foster advancement in developing leadership characteristics and ethical behavior in professional practice.

In the context of a Sustainable Engineering course

Activities

- Collective Action PBL
- Non-cooperative games
- Resources footprints
- Personal experience/reflection
- Collective experience/reflection
- Life style & reality collide

Materials

- CFL data worksheet
- See Thomas Seager ASU
- Global Ag. production data
- Personal essays shared
- "Step to the Line"
- Carrying capacity calculations