

Lesson Outline

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School WAYNESBURG CENTRAL HIGH SCHOOL
Course Title HUMAN ANATOMY
Topic/Unit DISCOVERING THE SCIENCE OF ALCOHOL
Model Topic BAC LEVEL SIMULATION
Modeling Tool STELLA ALCOHOL SIMULATION MODEL

Please provide a brief description for each section.

1. Describe the preparation you will do with the students prior to the model.

Prior to using this model I will teach a unit on the biochemistry of alcohol in the body and its effects on brain chemistry.

2. Describe the learning objectives related to the model and how you will achieve them.

Some of the learning objectives related to the model include:

- Scientific inquiry
- Structure and properties of matter
- Structure and function of living systems
- Personal and community health

3. Describe the discussion questions you will use after the model.

Some questions could include:

1. What effect does body weight have on BAC?
2. Why do you think that .08 g/dl is used as the legal limit for driving?
3. Do you think that gender has an effect on BAC? Why?

4. Describe the type of student assessment you will use.

Student assessment will include teacher made worksheets and tests as well as an online survey to evaluate the student's attitude toward alcohol consumption.