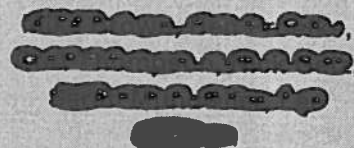
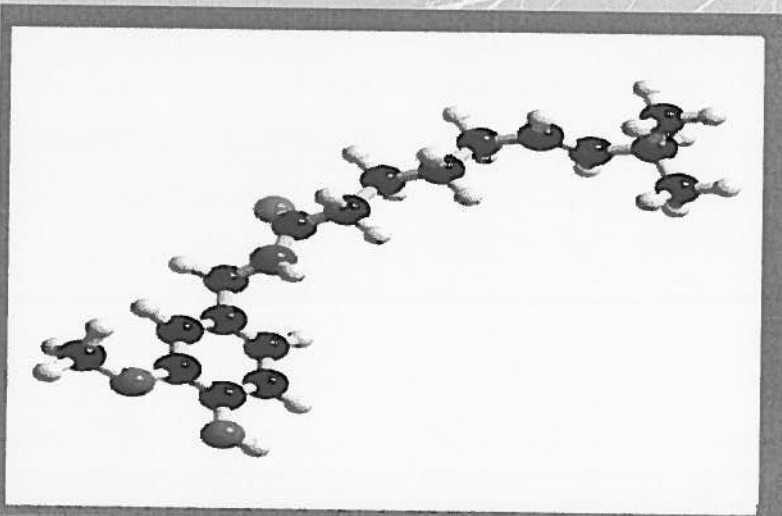


March 22 2011

Elementary Chemistry

A PROPOSAL For: Senior English 12B Capstone Project



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PROBLEM STATEMENT:

- **Young children aren't exposed early enough to chemistry to spur interest in it later in life.**

Key points from research:

- The need for chemists is a worldwide problem.
- In 2006 there were only 84,000 chemists in the whole United States.
- In 1950 President John F. Kennedy established the National Science Foundation to encourage basic research and science education.
- The National Science Foundation gives scholarships specifically for students going into a science field.
- Environmentally friendly chemistry awareness is being promoted by iSustain Alliance.
- In Michigan alone, the earliest that students are introduced to even the simplest ideas of chemistry is 7th grade.

PROJECT:

Our project is to provide chemistry demonstrations for fifth grade students. These would cover a wide range of chemistry topics including: super saturated solutions, molar ratios, equilibrium reactions. While providing these demonstrations, we will also be teaching the students simplified chemistry ideas that are involved with the demonstrations.

DATES:

We are planning on carrying out our actual experiments for the fifth grade class anytime during the week of April 25 through the 29.

VISION:

What we hope to achieve with this project is to spur the younger kid's interests in chemistry for later on. By making the experiments fun and exciting for the kids, they will be able to witness how much fun science and chemistry in specific can really be. This will hopefully cause an increase in the amount of students taking the chemistry courses offered in high school. This will hopefully cause a curriculum change in our elementary schools to include more chemistry. This change could even spread beyond Lowell Area Schools and go to other school systems in the area and then possibly nationwide.



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