

**2003**

## **CAD Animation, Engineering**

### Design Problem:

A student at West Virginia University (WVU) has a problem getting to class on time. He lives on campus and wants a new transportation device that will allow him to quickly move around campus. Because he has a limited budget, he would like the device to be used for recreation as well as travel. Also, because he is concerned about the environment, his new mode of transportation needs to be manually powered.

### Requirements:

Your challenge is to design a scooter-like vehicle that incorporates the ability to be easily taken apart so that it can be used for a different recreational activity. For example the handlebars once detached, could be used as a pogo stick. In addition, the base of the product (the part on which the rider stands), must express school spirit with a design that includes school colors (blue and gold).

Your animation must show the different pieces of the design coming together to form the single scooter-like product.