

**Letter 3 from Donald Ablestein**  
**Elaborate: Rocketing to the Top**

Class,

I really appreciate your hard work helping us choose our new product line for the boats. You did such a good job with fair tests that I have a new challenge for you. We are designing a new rocket for our space division. We want to make a rocket that can go as high in the air as it can. It should also fly as straight as possible.

I am giving you access to one of our simulators. This simulator will help you do some of your initial tests for the rocket design. In it, you will be able to test the length of the rocket body, the number of fins, and whether or not to put a nose cone on the new rocket. See figure 3-9 to help you understand what these parts are. You should work to find the best possible combination of these three parts to make the rocket fly high and straight in the air.

Be sure you are doing fair tests on the rocket parts!

Best regards,

Donald