**Rocket Challenge Test Report**

**Challenge:** Build a rocket and set goal(s) for how high you want you rocket to go, how long you want it to take to land, how gently your rocket will land (without breaking the egg inside), and set another goal of your choice. Test your rocket at an approved site and record your results in (Test 1). Compare the actual results of your goa and your RockSim results. Make necessary design adjustments to meet your goal. Record test results after making adjustments to the design in (Test 2).

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| 1. How high do you want your rocket to go? (in feet) | Goal | Test 1 | Test 2 | RockSim |
| 1. How long do you want it to take for your rocket to land? (in minutes/seconds) |  |  |  |  |
| 1. How gently will your rocket land, will the egg inside break? (yes/no) |  |  |  |  |
| 1. What other goal have you set for your rocket? |  |  |  |  |

**Evaluation:** Students will explain to the class why their rocket flew the way it did using principles learned in the How to Make a Model Rocket Presentation PowerPoint presentation. Which/whose rocket was most stable?