

## Rocket Project

Before you actually launch your rocket, you must design and build a launch pad and then build a launch circuit.

The launch pad is to hold the rocket upright on the ground and guide the rocket **straight up** while the engine is burning. The pad must be large enough to hold the rocket and the guide rail which will be supplied to you.

The design process for the launch pad and circuit construction must be in your journal. The marks for this project will be assigned according to two sections: launch pad; launch circuit including rocket lift off.

### Launch Pad Marking

Score	Descriptions
<b>10</b> <b>Standard of Excellence</b>	The design is complex and involves much more than the basic block of wood design. The overall design is interesting and attractive.
<b>8</b>	The design involves combinations of the basic shape and shows a unique idea or modification of an existing design.
<b>5</b> <b>Acceptable Standard</b>	The design involves the basic shape with some original modifications.
<b>4</b>	The design involves the basic shape but no originality is indicated in the design.
<b>2</b>	The pad is completed, but is not functional.
<b>0</b>	Not completed

### Launch Circuit Marking

Score	Descriptions
<b>10</b> <b>Standard of Excellence</b>	The rocket lifts off on the first attempt with the student's launch circuit.
<b>8</b>	The rocket lifts off on the second or third attempt with the student's launch circuit.
<b>5</b> <b>Acceptable Standard</b>	The rocket lifts off using the backup launch system or another student's launch circuit.
<b>4</b>	
<b>2</b>	
<b>0</b>	The launch system is not completed