



Royal Rangers

Merit Requirements: **Red-Bordered Merit**

ROCKETRY

1. Write a 200-word essay on the history and design of rockets.
2. Build a skill-level 1 and a skill-level 2 rocket.
3. Explain what the numbering and lettering on the rocket engine means.
4. Write a one-page essay on the flight of a rocket beginning with the time it is on the launch pad.
5. Explain the procedure for rocketry countdown.
6. Make a rocket altitude finder; explain and show how it works.
7. Take the "Model Rocketry Safety Code Test" and score at least ninety percent.
8. Identify the parts of a single-stage rocket.
9. Launch a rocket for at least three flights.