EO C240.03 – IDENTIFY PARTS OF A ROCKET

1. **Performance**: Identify Parts of a Rocket

2. **Conditions**:

   a. Given:

      (1) Supervision; and

      (2) Assistance as required.

   b. Denied: N/A.

   c. Environmental: Suitable classroom facilities or training area large enough to accommodate the entire group.

3. **Standard**: In accordance with *Rocket Parts,* the cadet shall identify parts of a rocket to become familiar with its components.

4. **Teaching Points**:

TP	Description	Method	Time	Refs
TP1	Explain the following parts of a rocket: a. the structure system, to include: 1. the nose cone; 2. fuel; 3. the frame; 4. the oxidizer; 5. the pumps; 6. the nozzle; and 7. the fin; b. the propulsion system; c. the payload system; and d. the guidance system.	Interactive Lecture	15 min	C3-106
TP2	Conduct an activity naming the parts of a rocket.	In-Class Activity	10 min	C3-106

5. **Time**:

   a. Introduction / Conclusion: 5 min

   b. Interactive Lecture: 15 min

   c. In-Class Activity: 10 min

   d. Total: 30 min

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Verify against the official publication.

6. **Substantiation**:

   a. An interactive lecture was chosen for TP1 to orient the cadets to the parts of a rocket, generate interest and present basic material.

   b. An in-class activity was chosen for TP2 as it is an interactive way to confirm the cadet's comprehension of the material.

7. **References**: C3-106 NASA. (2006). *Rocket Parts.* Retrieved 22 February 2007, from http://exploration.grc.nasa.gov/education/rocket/rockpart.html#.

8. **Training Aids**: Presentation aids (e.g. whiteboard/flipchart/OHP) appropriate for the classroom/training area.

9. **Learning Aids**:

   a. Rocket parts puzzle; and

   b. Parts of a rocket handout.

10. **Test Details**: N/A.

11. **Remarks**: N/A.

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