EO C240.05 – SIMULATE SURVIVAL IN SPACE

1. **Performance**: Simulate Survival in Space

2. **Conditions**:

   a. Given:

      (1) a box of matches;

      (2) a magnetic compass;

      (3) a stellar map of the Moon;

      (4) two military water cans (to simulate oxygen tanks);

      (5) four two-litre bottles to simulate water;

      (6) ten metres of nylon rope;

      (7) simulated food boxes;

      (8) a radio;

      (9) a fire blanket;

      (10) a map of the training area;

      (11) supervision; and

      (12) assistance as required.

   b. Denied: N/A.

   c. Environmental: Suitable indoor or outdoor training area large enough to accommodate the entire group.

3. **Standard**: In accordance with *Space Survival Challenge* and in groups of no more than four, the cadet shall simulate survival in space.

4. **Teaching Points**:

TP	Description	Method	Time	Refs
TP1	Conduct an in-class activity where cadets choose any five of the following items to survive in space: a. a box of matches; b. a compass; c. 2 military water cans (to simulate oxygen tanks); d. 4 two-litre bottles to simulate water; e. 10 metres of nylon rope; f. simulated food boxes; g. a radio; h. a fire blanket; and i. a map of the training area.	In-Class Activity	35 min	C3-111

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TP	Description	Method	Time	Refs
TP2	Conduct a group discussion and have the groups explain why they chose their items for survival.	Group Discussion	20 min	

5. **Time**:

a.	Introduction / Conclusion:	5 min
b.	In-Class Activity:	35 min
c.	Group Discussion:	20 min
d.	Total:	60 min

6. **Substantiation**:

   a. An in-class activity was chosen for TP1 as it is an interactive way to reinforce survival in space, provoke thought and stimulate an interest among cadets.

   b. A group discussion was chosen for TP2 as it allows the cadets to interact with their peers and share their knowledge, experiences, opinions, and feelings about survival in space.

7. **References**: C3-111 Lakeland Central School District. (2007). *Space Survival Challenge.* Retrieved 27 February 2007, from http://www.lakelandschools.org/EDTECH/leslie/space.htm.

8. **Training Aids**: N/A.

9. **Learning Aids**:

   a. a box of matches;

   b. a magnetic compass;

   c. a stellar map of the Moon;

   d. two military water cans (to simulate oxygen tanks);

   e. four two-litre bottles to simulate water;

   f. ten metres of nylon rope;

   g. simulated food boxes;

   h. a radio;

   i. a fire blanket; and

   j. a map of the training area.

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

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

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