EO M224.03 – PREDICT WEATHER USING CLOUD FORMATIONS

1. **Performance**: Predict Weather Using Cloud Formations

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 specified references, cadets will learn to predict the weather using cloud formations.

4. **Teaching Points**:

TP	Description	Method	Time	Refs
TP1	Identify clouds, to include: a. types of cloud formations, to include: 1. cumulus; and 2. stratus; and b. four families of clouds, to include: 1. high clouds; 2. middle clouds; 3. low clouds; and 4. clouds of vertical development.	Interactive Lecture	15 min	A2-045 (pp. 124-125) C2-016 (pp. 196 to 198)
TP2	Discuss how cloud formations can help to predict approaching weather, to include: a. bad weather; b. good weather; and c. thunderstorms.	Interactive Lecture	10 min	A0-036 (p. 3-87) C2-016 (pp. 99 to 101)

5. **Time**:

   a. Introduction / Conclusion: 5 min

   b. Interactive Lecture: 25 min

   c. Total: 30 min

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Verify against the official publication.

6. **Substantiation**: An interactive lecture was chosen for this lesson to introduce predicting weather using cloud formations as a new subject and to present basic or background material.

7. **References**:

   a. A0-036 A-CR-CCP-121/PT-001 D Cdts 3 (2000). *Royal Canadian Army Cadet Reference Book*. Ottawa, ON: Department of National Defence.

   b. A2-045 A-CR-CCP-263/PT-001/(ISBN 0-9680390-5-7) MacDonald, A.F. & Peppler, I.L. (2000). *From the Ground Up.* Millennium edition. Ottawa, ON: Aviation Publishers Co. Limited.

   c. C2-016 (ISBN 0-517-88783-5) Curtis, R. (1998). *The Backpackers Field Manual: A Comprehensive Guide to Mastering Backcountry Skills*. New York, NY: Three Rivers Press.

   d. C2-072 (ISBN 1-57990-468-8) Brotak, E. (2004). *Wild About Weather*. New York, NY: Lark Books, A Division of Sterling Publishing Co., Inc.

8. **Training Aids**: Pictures of clouds.

9. **Learning Aids**: Pictures of clouds.

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

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

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