EO C322.03 – IDENTIFY THE PRINCIPLES OF MAP-MAKING

1. **Performance.** Identify the Principles of Map-Making.

2. **Conditions**

   a. Given:

      (1) Supervision, and

      (2) Assistance as required.

   b. Denied: N/A.

   c. Environmental: Classroom or training area large enough to accommodate the entire group.

3. **Standard.** The cadet shall identify the principles of map-making, to include:

   a. determining location;

   b. determining projection and scale;

   c. identifying features and adding symbols; and

   d. applying geographical names to features.

4. **Teaching Points**

TP	Description	Method	Time	Ref
TP1	Discuss maps, to include: a. what is a map, b. types, characteristics and features.	Interactive Lecture	5 min	C2-168
TP2	Discuss cartography, to include: a. a definition, b. two essential characteristics of cartography, to include: (1) level of importance to society, and (2) dynamic nature; c. role of a cartographer, to include: (1) liaising; (2) editing; (3) drafting; (4) researching; and (5) teaching.	Interactive Lecture	5 min	C2-166 C2-170 (p. 75) C2-190
TP3	Identify the principles of map-making, to include: a. determining location; b. determining projection and scale; c. identifying features and adding symbols; and d. applying geographical names to features.	Interactive Lecture	15 min	C2-168

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5. **Time**

a.	Introduction/Conclusion:	5 min
b.	Interactive Lecture:	25 min
c.	Total:	30 min

6. **Substantiation.** An interactive lecture was chosen for this lesson to present background information on maps and map-making.

7. **References**

   a. C2-166 Geomatics Yukon Kids. (2002). *Cartography*. Retrieved February 21, 2008, from http://www.geomaticsyukpn.ca/kids/cartography1.html.

   b. C2-168 EdGate. (2006). *Cartography Concepts: A Student's Guide to Mapmaking*. Retrieved February 21, 2008, from http://www.edgate.com/lewisandclark/cartography.html.

   c. C2-170 Gorman, J., & Morris, M. (Eds.). (1998, April). You Are Here. *The Backpacker*, 74–81.

   d. C2-190 The Canadian Cartographic Association. (2008). *Digital Pamphlet: Careers in Cartography*. Retrieved April 3, 2008, from http://www.cca-acc-org/careers.asp.

8. **Training Aids**

   a. Presentation aids (eg, whiteboard/flip chart/OHP) appropriate for the classroom/training area, and

   b. Sample maps.

9. **Learning Aids**

   a. Pen/pencil, and

   b. Notebook.

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

11. **Remarks.** Cadets will be given the opportunity to create their own maps in EO C322.04 (Draw a Map of an area in the Local Training Facility).

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