EO C490.04 – PRACTICE SAFE TOOLCRAFT

1. **Performance**: Practice Safe Toolcraft

2. **Conditions**:

   a. Given:

      (1) Axe,

      (2) Bow saw,

      (3) Shovel,

      (4) Knife,

      (5) Honing stone,

      (6) Sharpening stone,

      (7) Cloth,

      (8) Supervision, and

      (9) Assistance as required.

   b. Denied: Nil.

   c. Environmental: Field setting.

3. **Standard**: The cadet shall practice safe toolcraft while in the field, when using:

   a. an axe,

   b. a bow saw,

   c. a shovel, and

   d. a knife.

4. **Teaching Points**:

TP	Description	Method	Time	Refs
TP1	Explain, demonstrate and have the cadets: a. handle tools; b. pass tools; and c. store tools.	Demonstration and Performance	25 min	C3-003 (pp. 171–174)
TP2	Explain, demonstrate and have the cadets: a. clean and sharpen a knife; and b. file and sharpen an axe.	Demonstration And Performance	20 min	C3-002 (p. 35) C3-003 (p. 25)
TP3	Explain, demonstrate and have the cadets cut wood using: a. an axe; and b. a bow saw.	Demonstration and Performance	20 min	C3-002 (p. 306) C3-003 (pp. 171–174)

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TP	Description	Method	Time	Refs
TP4	Explain, demonstrate and have the cadets use a shovel, to include: a. digging a hole; and b. filling a hole.	Demonstration and Performance	15 min	

5. **Time**:

a.	Introduction / Conclusion:	10 min
b.	Demonstration and Performance:	80 min
c.	Total:	90 min

6. **Substantiation**: A demonstration and performance was chosen for this lesson as it allows the instructor to explain and demonstrate the skills. The cadets are expected to sharpen a knife and an axe, and to cut wood while providing an opportunity for the cadets to practice the skills under supervision.

7. **References**:

   a. C3-002 ISBN 0-00-653140-7 Wiseman, J. (1999). *The SAS survival handbook*. Hammersmith, London: HarperCollins Publishers.

   b. C3-003 ISBN 1-896713-00-9 Tawrell, P. (1996). *Camping and wilderness survival: The ultimate outdoors book*. Green Valley, ON: Falcon Distribution.

8. **Training Aids**:

   a. Vice or clamp,

   b. Axe,

   c. Bow saw,

   d. Shovel,

   e. Knife,

   f. Honing stone,

   g. Sharpening stone,

   h. Cloth, and

   i. First aid kit.

9. **Learning Aids**:

   a. Vice or clamp,

   b. Axe,

   c. Bow saw,

   d. Shovel,

   e. Knife,

   f. Honing stone,

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g. Sharpening stone, and

h. Cloth.

10. **Test Details**: Nil.

11. **Remarks**:

a. Sharpening should only be done under close supervision of trained staff members, to prevent unnecessary damage to the equipment and injury to cadets.

b. Cadets who are qualified Survival Instructor may assist with this instruction.

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