

State of Iowa
 DEPARTMENT OF EDUCATION
 Career Education Division
 Grimes State Office Building
 Des Moines, IA 50319

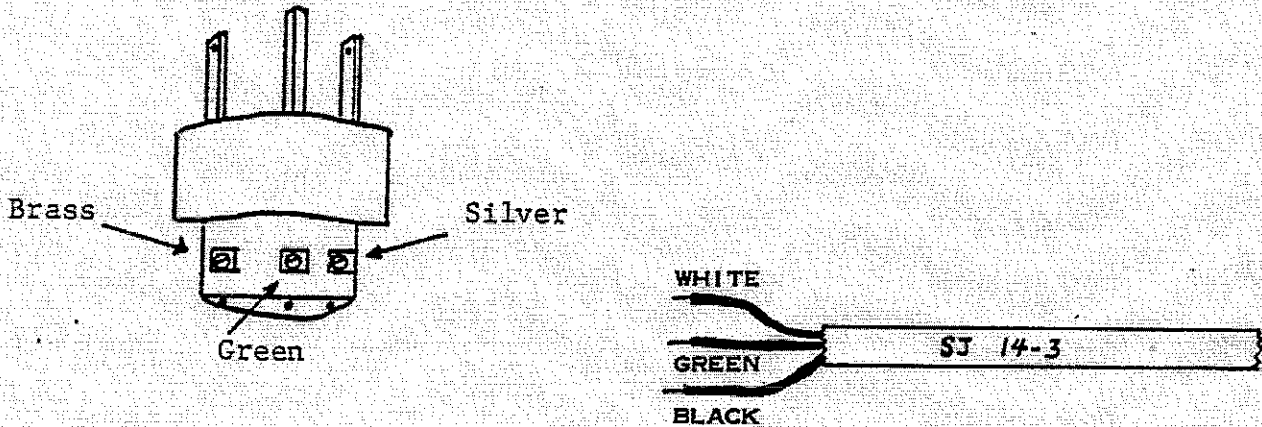
CONTESTANT NUMBER _____

CONTESTANT NAME _____

CONTESTANT SCHOOL _____

SHOP SKILLS
 Electrical Circuits

You will have 15 minutes to complete the construction of the plug cap end of an electrical extension cord. First, complete the exercise shown below on paper by connecting the plug cap using _____ lines for the black wire, ---- for the white wire and for the bare or ground wire.



After completing the exercise on paper, complete the actual wiring of the extension cord plug cap using the tools and materials at your station. When completed, leave your work station in order, turn in your completed exercise and this sheet to the judge for evaluation.

EVALUATION SCORE SHEET

ITEM	POINTS	
	POSSIBLE	EARNED
1. Wiring diagram	5	_____
2. Wiring the plug cap		
a) Proper length cable in plug cap	3	_____
b) Stripping of cable	3	_____
c) Stripping of conductors	3	_____
d) Conductors around screws or on correct side of screws	3	_____
e) Proper connection of plug cap	4	_____
f) Plug cap correctly assembled	2	_____
3. Safety and work habits	2	_____
Total .	25	_____

