



# MIDDLE SCHOOL TOOL IDENTIFICATION CDE

## PURPOSE

The Tool Identification Event is designed to develop the ability to correctly identify the names and uses of a variety of tools common to the Agricultural Education Curriculum.

## ELIGIBILITY

The participant must be an active member of a charter Florida FFA chapter and enrolled in grades 6, 7, or 8. Each Middle School chapter may enter a team of four individuals. Only the top three scores will be calculated for the team total.

## EVENT PROCEDURES

1. Each participant must have a #2 pencil.
2. FFA members must be in official dress, appropriate to the contest, and will be scored accordingly.

## EVENT PRACTICUMS

### IDENTIFICATION PRACTICUM



#### TOOL IDENTIFICATION

1. Forty (40) tools will be selected from the attached official list.
2. When two sets of tools are used, they shall include the same tools.
3. No tool will be used more than once in the identification portion of the contest.
4. Each participant will be assigned to a tool to begin identification.
5. Each participant will remain at each tool for one minute and then progress to the next tool.
6. No participant will be permitted to go to a tool for a second time.
7. Grading will be done by giving two (2) points for each tool correctly identified.
8. If it is observed that a participant uses the same number on his or her paper for more than one identification, neither number will be counted as correct thus resulting in a penalty for using the same number twice.
9. Tool Identification may be done by picture or PowerPoint, as determined by the CDE Coordinator.
10. Tools may be shown in various forms. For example, dehorner can be shown as a dehorning iron, dehorning paste, or dehorning spoon/tube.

## KNOWLEDGE PRACTICUM

### WRITTEN EXAM

1. A written test designed to test the knowledge of the participant regarding the proper use(s) and/or categorization of 20 randomly selected tools from the attached official list.
2. Each participant will be given 40 minutes to complete the test.

## SCORING

Practicum	Activity	Individual	Team
Knowledge	Written Exam	20	60
Identification	Tool Id	80	240
Official Dress		50	150
Total		150	450

## TIE BREAKERS

At discretion of the CDE Coordinator.

## AWARDS

Awards will be presented at an awards ceremony. Awards are presented to teams as well as individuals based upon their rankings. Awards are sponsored by a cooperating industry sponsor(s) as a special project and/or by the general fund of the Florida FFA Foundation.

## REFERENCES

This list of references is not intended to be inclusive. Other sources may be utilized and teachers are encouraged to make use of the very best instructional materials available. The following list contains references that may prove helpful during event preparation.

- Official FFA Agricultural Tools Identification Manual  
Copies of the "Official FFA Agricultural Tools and Materials Identification Manual" are available from the:  
North Carolina FFA Association  
North Carolina State University  
Box 7607  
Raleigh, NC 27695-7607  
Phone: 919.515.4206  
Fax: 919.515.9060  
Email: jason\_davis@ncsu.edu
- The 16-page booklet contains a clipart image and the proper use of all tools and materials included in this event. The cost is \$1.00 per copy (postage included).



# Tool ID CDE

Form #2014-001

## Written Exam

1	(A) (B) (C) (D) (E)	11	(A) (B) (C) (D) (E)
2	(A) (B) (C) (D) (E)	12	(A) (B) (C) (D) (E)
3	(A) (B) (C) (D) (E)	13	(A) (B) (C) (D) (E)
4	(A) (B) (C) (D) (E)	14	(A) (B) (C) (D) (E)
5	(A) (B) (C) (D) (E)	15	(A) (B) (C) (D) (E)
6	(A) (B) (C) (D) (E)	16	(A) (B) (C) (D) (E)
7	(A) (B) (C) (D) (E)	17	(A) (B) (C) (D) (E)
8	(A) (B) (C) (D) (E)	18	(A) (B) (C) (D) (E)
9	(A) (B) (C) (D) (E)	19	(A) (B) (C) (D) (E)
10	(A) (B) (C) (D) (E)	20	(A) (B) (C) (D) (E)

## Tie Breaker Questions

1
2
3
4
5
6
7
8
9
10

\_\_\_\_\_

Event

\_\_\_\_\_

Chapter

\_\_\_\_\_

Name

\_\_\_\_\_

ID Number

**\*SAMPLE\***



Use a pencil to completely fill in circles. Be sure to erase completely to change your answer.



No talking is allowed during the event. Please notify your group leader with any concerns.



The use of electronic devices is prohibited during the event. Only approved calculators may be used as permitted.

# Tool Identification

## \*SAMPLE\*

- 1 (A) (B) (C) (D) (E)
- 2 (A) (B) (C) (D) (E)
- 3 (A) (B) (C) (D) (E)
- 4 (A) (B) (C) (D) (E)
- 5 (A) (B) (C) (D) (E)
- 6 (A) (B) (C) (D) (E)
- 7 (A) (B) (C) (D) (E)
- 8 (A) (B) (C) (D) (E)
- 9 (A) (B) (C) (D) (E)

- 10 (A) (B) (C) (D) (E)
- 11 (A) (B) (C) (D) (E)
- 12 (A) (B) (C) (D) (E)
- 13 (A) (B) (C) (D) (E)
- 14 (A) (B) (C) (D) (E)
- 15 (A) (B) (C) (D) (E)
- 16 (A) (B) (C) (D) (E)
- 17 (A) (B) (C) (D) (E)
- 18 (A) (B) (C) (D) (E)
- 19 (A) (B) (C) (D) (E)
- 20 (A) (B) (C) (D) (E)

- 21 (A) (B) (C) (D) (E)
- 22 (A) (B) (C) (D) (E)
- 23 (A) (B) (C) (D) (E)
- 24 (A) (B) (C) (D) (E)
- 25 (A) (B) (C) (D) (E)
- 26 (A) (B) (C) (D) (E)
- 27 (A) (B) (C) (D) (E)
- 28 (A) (B) (C) (D) (E)
- 29 (A) (B) (C) (D) (E)
- 30 (A) (B) (C) (D) (E)
- 31 (A) (B) (C) (D) (E)

- 32 (A) (B) (C) (D) (E)
- 33 (A) (B) (C) (D) (E)
- 34 (A) (B) (C) (D) (E)
- 35 (A) (B) (C) (D) (E)
- 36 (A) (B) (C) (D) (E)
- 37 (A) (B) (C) (D) (E)
- 38 (A) (B) (C) (D) (E)
- 39 (A) (B) (C) (D) (E)
- 40 (A) (B) (C) (D) (E)

A 45° Pipe elbow	C Coping saw	A Hinge handle	D Plumb bob	A Switch box
B 90° Pipe elbow	D Cordless drill	B Hose bib	E Portable circular saw	B T-hinge
C 90° Street elbow	E Countersink	C Implant gun	A Portable electric drill	C Tap wrench
D Adjustable Wrench	A Cutting torch	D Impulse sprinkler	B Portable electric sander	D Tape rule
E Allen Wrench	B Deep socket	E Increment borer	C Portable jig saw	E Thickness gauge
A Aviation Snips	C Dehorer	A Lag screw	D Pruning saw	A Timing light
B Ball peen hammer	D Diagonal cutting pliers	B Level	E Pruning shears	B Tip cleaners
C Bar clamp	E Drift punch	C Line level	A Putty knife	C Tire chuck
D Bent nose pliers	A Drill press vise	D Long nose pliers	B PVC cutter	D Tire gauge
E Bolt cutters	B Duplex receptacle	E Lopping shears	C Regular socket	E Toggle bolt
A Bolt die	C Dust mask	A Machine bolt	D Reversible ratchet	A Toggle switch
B Bolt die stock	D Ear tagger	B Machinist's vise	E Roofing nail	B Toggle switch plate
C Bolt tap	E Electrical multimeter	C Mason hammer	A Round file	C Torch lighter
D Box end wrench	A Emery dresser	D Mason level	B Roundhead stove bolt	D Torque wrench
E Brick jointer	B End cutting nippers	E Masonry Bit	C Roundhead wood screw	E Tree diameter tape
A Brick trowel	C Expansion shield	A Masonry nail	D Router	A Triangular file
B Bulb planter	D Extension	B Mill file	E Rubber mallet	B Try square
C Bush axe	E Eye bolt	C Miter box	A Safety glasses	C Tube cutter
D Butt hinge	A Fence pliers	D Nail hammer	B Safety goggles	D Universal joint
E C clamp	B Fence staple	E Nail set	C Screw extractor	E Universal socket
A Carriage bolt	C File card	A Nailing gun	D Screwmate	A Valve spring compressor
B Castrator	D Finishing nail	B Nut driver	E Sheet metal screw	B Vise grip pliers
C Center punch	E Flaring tool	C Obstruction wrench	A Side cutting pliers	C Vise grip welding clamp
D Chain saw file	A Flathead stove bolt	D Open end wrench	B Sledge hammer	D Water beaker
E Chalk line reel	B Flathead wood screw	E Phillips screwdriver	C Slip joint pliers	E Welding gloves
A Chipping hammer	C Framing square	A Pin punch	D Slotted screwdriver	A Welding goggles
B Circuit breaker	D Fuse puller	B Pipe Bushing	E Soil auger	B Welding helmet
C Circular Carbide Saw Blade	E Gate valve	C Pipe cap	A Soil thermometer	C Welding torch
D Cold chisel	A Glass cutter	D Pipe coupling	B Soil tube	D Wheel puller
E Combination oil stone	B Grafting tool	E Pipe nipple	C Soldering gun	E Wire scratch brush
A Combination square	C Grease gun	A Pipe plug	D Solderless wire nut	A Wire strippers
B Combination wrench	D Groove joint pliers	B Pipe reducer	E Spark plug gauge	B Wood chisel
C Common nail	E Hack saw	C Pipe stop & waste	A Spark plug socket	C Wood mallet
D Compass	A Half hatchet	D Pipe tee	B Speed bore bit	D Wood rasps
E Compass saw	B Half round file	E Pipe union	C Speed handle	E Wrecking bar
A Concrete finishing trowel	C Hammer drill	A Pipe wrench	D Straight shank drill bit	
B Concrete float	D Hand screw clamp	B Piston ring compressor	E Strap hinge	
	E Hedge shears	C Planting bar		