



OBJECTIVES

- Targeted Life Skills: character, healthy lifestyle choices, and responsible citizenship.
- To provide opportunity for faculty to share educational and career opportunities in the fields of aquaculture, fisheries management and aquatic sciences. Representatives from universities and state agencies will be available to visit with participants and answer questions.
- To create more interest in the pleasure of fishing.
- To increase the participants' knowledge of fish in Arkansas and improve their accuracy in casting through practice.

ELIGIBILITY

Each County may enter two Junior and two Senior 4-H members at the District 4-H O-Rama.

The top seven (7) Senior 4-H'ers from each District O-Rama will be eligible to enter the State 4-H O-Rama.

ACTIVITY

Both Junior and Senior activities will be conducted according to the regulations outlined in this document.

Each contestant is encouraged to furnish their own equipment. Spinning, spincast and baitcasting combos up to 8 feet in length are permitted, but all contestants must use a 3/8 oz practice plug. There will be no division for fly fishing. Spincast combos and practice plugs will be available at the District and State activity if you do not have, or want to, use your own equipment. The activity is the same at the County, District and State level for Juniors and Seniors, except that there will be more exam questions at each level for both.

JUDGING

Each contestant will be judged on casting accuracy. Each contestant will also answer exam questions related to fish anatomy, biology and ecology, Arkansas fish species identification, fishing tackle identification, and fishing regulations, safety and ethics. Study guides specifically for the County, District and State levels will be randomly generated from a master question bank each year and published online with practice answer sheets. The exams will include a subset of questions from the study guide at each level. In general, the County exam will have the fewest questions and the State exam will have the most.

AWARDS

Ribbons will be awarded to the top 5 finishers in the Junior and Senior divisions at the District 4-H O-Rama, and to the top 5 overall finishers at the State 4-H O-Rama. No ribbons will be awarded for zero scores.

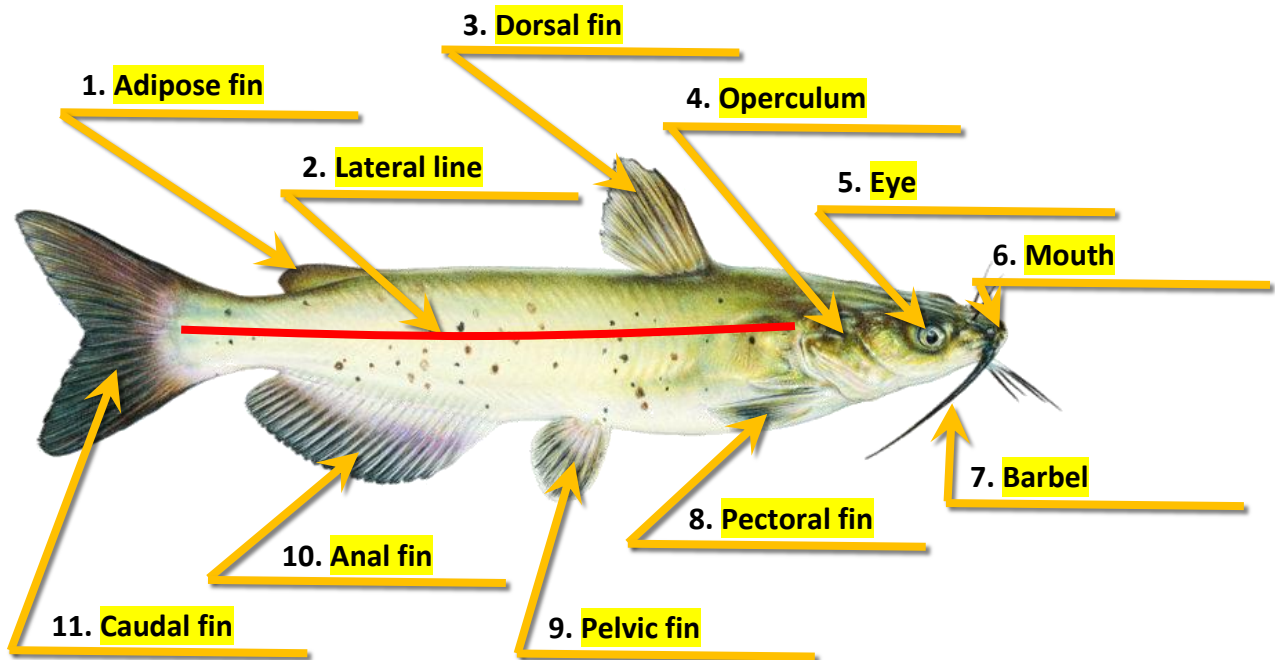
Physical prizes will be awarded to first-, second- and third-place winners at the State 4-H O-Rama.

PREPARED BY







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DISTRICT STUDY GUIDE



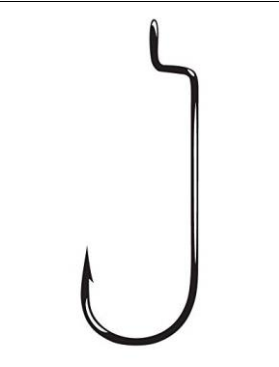








Fish Identification




Photos	Identification tips
	Bluegill: <ul style="list-style-type: none"> • Laterally compressed body • Small mouth • Dark blue flap on edge of operculum • Dark patch near based of soft-rayed dorsal fin
	Green sunfish: <ul style="list-style-type: none"> • Laterally compressed body • Larger mouth than similar looking bluegill • Bright blue streaks along cheeks • Most fins tipped with orange/white edges
	Striped bass: <ul style="list-style-type: none"> • Long, almost cylindrically shaped body • Defined horizontal stripes usually unbroken • Slightly darker back fading to white belly • Two tooth patches near back of tongue
	White bass: <ul style="list-style-type: none"> • Stocky, football shaped body • Stripes faint, only one goes length of body • Slightly darker back fading to white belly • One tooth patch near back of tongue
	Flathead catfish: <ul style="list-style-type: none"> • Barbels around the mouth • Lower jaw farther forward than upper • Caudal fin slightly rounded • Yellowish/brown body fading to pale belly
	Brown trout: <ul style="list-style-type: none"> • Brownish back fading to often yellowish sides • Dark spots surrounded by blue/grey halos • Few to no spots on caudal fin

Photos	Identification tips
	Spotted gar <ul style="list-style-type: none"> • Dark splotches scattered all over body • Moderately long snout with teeth • Dorsal fin far back on body • Rounded caudal fin
	Alligator gar <ul style="list-style-type: none"> • Mostly spotless body, except around the tail • Broad snout with teeth, resembling alligator's • Dorsal fin far back on body • Rounded caudal fin
	Bowfin <ul style="list-style-type: none"> • Cylindrical body with somewhat blunt head • Strong thick jaws with teeth • Long continuous dorsal fin • Rounded caudal fin, often with dark eye spot

Tackle Identification

 <p>Fly reel</p>	 <p>Spincast reel</p>
 <p>Spinning reel</p>	 <p>Offset hook</p>

	
<p>Circle hook</p>	<p>Treble hook</p>
	
<p>Split-shot sinker</p>	<p>Bell sinker</p>
	
<p>Bullet sinker</p>	<p>Carolina rig</p>
	
<p>Drop shot rig</p>	<p>Floating rig</p>
	
<p>Flipping jig</p>	<p>Trout fly</p>

 <p>Inline spinner</p>	 <p>Spinnerbait</p>
 <p>Topwater popper</p>	

Multiple Choice Questions

(Correct answers are highlighted in yellow)

Regulations:

- Who is responsible for setting and enforcing fishing regulations on public waters in Arkansas: (Circle one)
 - The home owners next to the public water
 - The mayor of the largest town nearest to the public water
 - The United States Fish and Wildlife Service
 - The Arkansas Game and Fish Commission**
- For species with a length limit regulation, which type of measurement is most often used to determine if the fish is the right size to keep: (Circle one)
 - Standard length
 - Total length**
 - Fork length
 - Fin length
- It is illegal to: (Circle all that are true)
 - Import, transport, possess or take an endangered species**
 - Possess live silver, black or bighead carp**
 - Release any sportfish, baitfish or crawfish into public waters unless they were originally caught from that same water source**
 - Waste edible fish or wildlife**

Safety:

- Children under the age of _____ must wear a well-fitting personal floatation device at all times while on board a fishing boat: (Circle one)
 - 10
 - 13**
 - 16
 - 19
- Fish are done cooking when the internal temperature reaches _____ °F: (Circle one)
 - 80 °F
 - 125 °F
 - 145 °F**
 - 160 °F

6. When bank or wade fishing along reservoir tailwaters you should: (Circle all that are true)
- A) Never wade farther out than you can reliably and quickly return to shore
 - B) Always be aware of changes in water level or current speed
 - C) Listen for dam sirens if you are close enough to the dam to hear them
 - D) Stay out of restricted areas and obey all warning signage instructions

Biology:

7. Which of the following are fish: (Circle all that are true)
- A) Blue whale
 - B) Red swamp crayfish
 - C) Blue Catfish
 - D) White shark
8. Which of the following statements is most accurate: (Circle one)
- A) Most fish can control their body temperature independent of outside water temperatures
 - B) All fish are purely cold blooded and cannot control their body temperatures in any way
 - C) While most fish are cold blooded, some species are able to recycle heat and maintain higher internal temperatures than their outside water temperatures
 - D) While most fish are warm blooded, some species are well insulated so that they don't get too warm internally
9. Which fins can serve as the main source of forward movement, depending on species: (Circle all that are true)
- A) Pectoral
 - B) Anal
 - C) Dorsal
 - D) Caudal

Ecology:

10. Which of the following can be habitat for invertebrates and fishes to live around: (Circle all that are true)
- A) Rocks
 - B) Vegetation
 - C) Stumps
 - D) Brush
11. Omnivores eat: (Circle one)
- A) Fish
 - B) Plants
 - C) Plankton
 - D) Various types of food
12. Which of the following Arkansas fish is primarily a piscivore/predator: (Circle one)
- A) Fathead minnow
 - B) White drum
 - C) Paddlefish
 - D) Smallmouth bass

Ethics:

13. You find a pond you would like to fish but it appears to be on private property. You should: (Circle one)
- A) Contact Arkansas Game and Fish Commission for permission to fish it
 - B) Contact the property owner for permission to fish it
 - C) Fish it without permission
 - D) Never fish it

14. You find someone fishing on your favorite spot on the bank of the Arkansas River. You should: (Circle one)

A) Go home

B) Find the next best spot nearby or ask the person politely if you can fish near them

C) Tell the person to leave because this is your spot

D) Fight them for exclusive rights to this spot

15. Some fish species do not handle the stress of being caught and released very well when the weather is hot. Which of the following species should you consider releasing less of when the weather is hot:

(Circle all that are true)

A) Bluegill

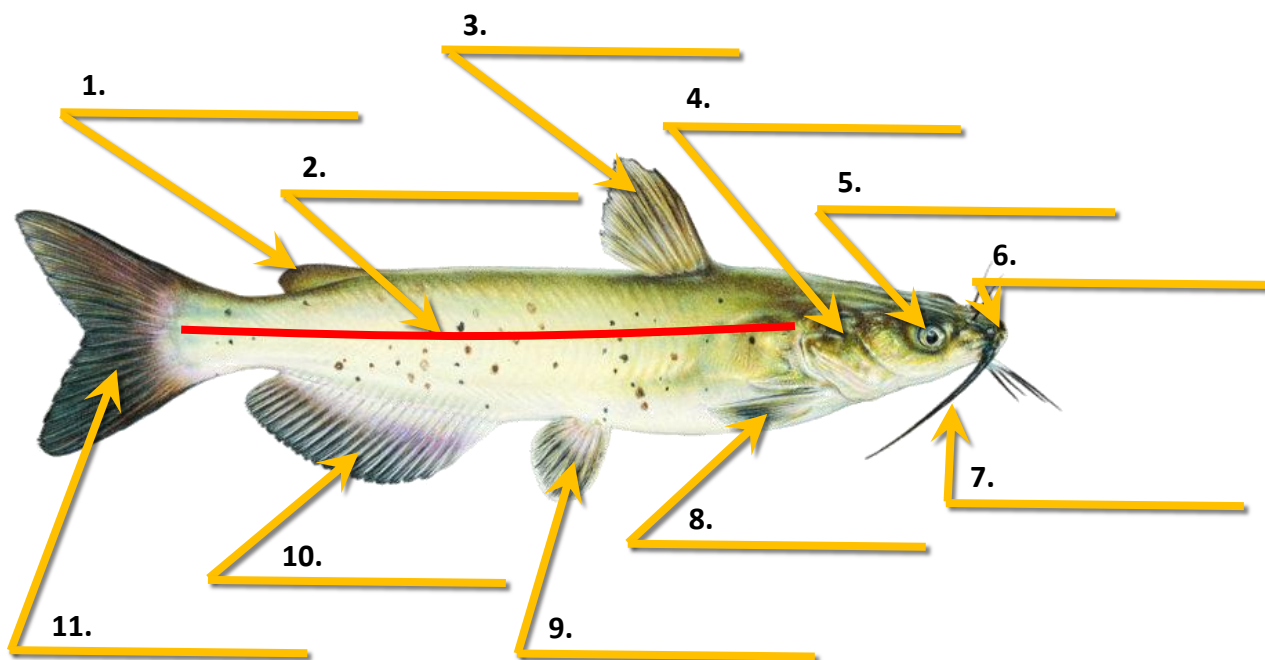
B) Striped bass

C) Channel catfish







D) Rainbow trout






DISTRICT STUDY GUIDE BLANK













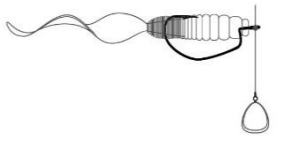



Fish Identification

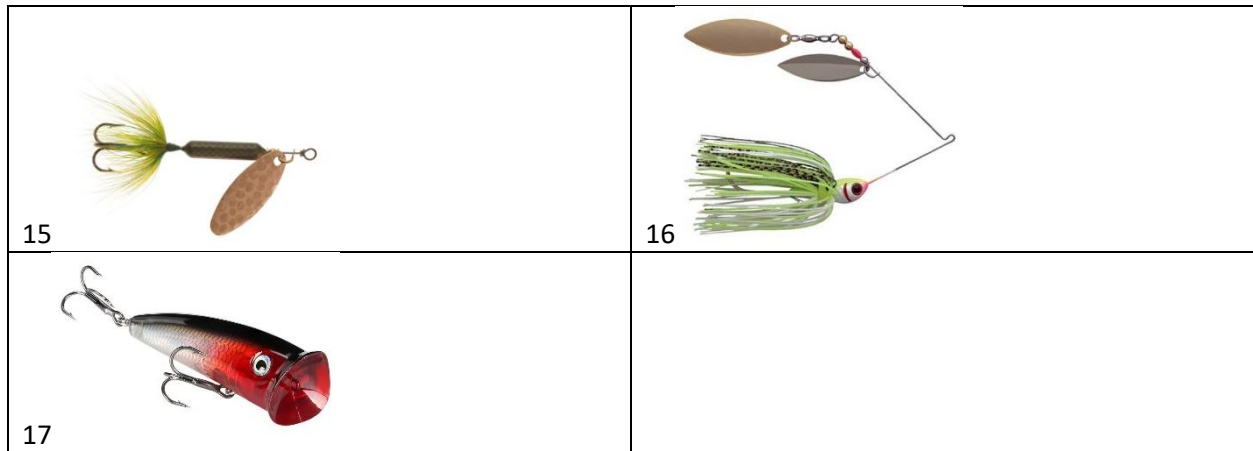
Photos	ID
	1
	2
	3
	4
	5
	6

Photos	Identification tips
	7
	8
	9

Tackle Identification

	
1	2
	
3	4

 <p>5</p>	 <p>6</p>
 <p>7</p>	 <p>8</p>
 <p>9</p>	 <p>10</p>
 <p>11</p>	 <p>12</p>
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(Circle all that are true)

- A) Bluegill
- B) Striped bass
- C) Channel catfish
- D) Rainbow trout

Name _____

District (circle one)

DELTA OUACHITA OZARK

County _____

Division (circle one)

JUNIOR SENIOR



DISTRICT PRACTICE SCORE SHEET

Anatomy

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____

Fish Identification

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____

Each fully correct answer earns 1 point

Total points earned on this page:

Tackle Identification

1. _____
2. _____
3. _____
4. _____
5. _____
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12. _____
13. _____
14. _____
15. _____
16. _____
17. _____

Multiple Choice Questions

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____

Each fully correct answer earns 1 point

Total points earned on this page:

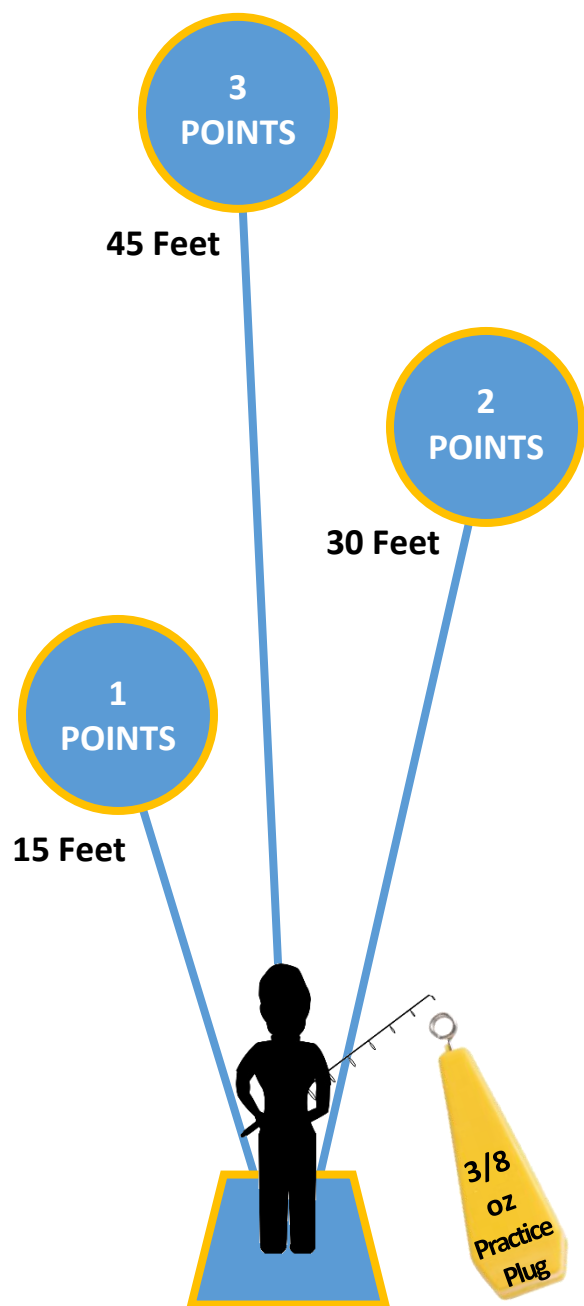
Grand total points earned:





CASTING SCORING

Circle (Score)	Cast 1	Cast 2	Cast 3	Cast 4	Cast 5	Total Score
Close (1)						
Mid (2)						
Far (3)						



- Three equal-sized rings are placed on the ground as shown in the diagram to the left
- Rings can be made of rope, flexible material, or painted on the ground to be 5.0 feet in diameter (15 feet $8\frac{1}{2}$ inches in circumference)
- The District and State O-Rama's will have structures within the rings resembling fish habitat, but this is not required at the County level
- Each contestant stands in the same spot on the ground or an elevated platform for all casts
- The distance from the contestant position is 15 feet to the closest edge of the "close" ring, 30 feet to the closest edge of the "mid" ring, and 45 feet to the closest edge of the "far" ring
- Contestants may use their own rod and reel, but they must use the same 3/8 ounce casting practice plugs as everyone else
- Each contestant is allowed one practice cast before their five scoring casts
- Contestants earn points when their plug lands within one of the rings, or hits the structure placed within the rings at the District and State O-Rama's
- Full points are awarded even if the plug bounces out of the ring after the initial impact with the ground or structure
- Landing within the "close" ring earns 1 point, the "mid" ring earns 2 points, and the "far" ring earns 3 points