



100 AGRICULTURE BELL RINGERS

Quick Daily Warm-Ups for Agriculture Programs

Engaging 2-3 Minute Activities for:

- FFA
- Soft Skills
- Animal Science
- Plant Science
- Agricultural Mechanics

Designed for Students Ages 14-16*

Ideal for:

- Introduction to Agriculture
- Agriscience Foundations
- Ag Education Programs
- FFA Classrooms

INCLUDED TOPICS

FFA

Motto • Creed • SAE • History • Parliamentary Procedure • Official Dress

Soft Skills

Time Management • Professionalism • Teamwork • Communication • Interviews • Big Picture Thinking

Animal Science

Animal Terminology • Growth & Development • Processing • Byproducts

Plant Science

Plant Systems • Growth Requirements • Plant ID • Tools • Soil Components

Agricultural Mechanics

Lab Safety • PPE • Hand Tools • Ag Technology • Shop Safety • Innovations

- ✓ Ready-to-Use
- ✓ No Prep Required
- ✓ Supports Student Engagement
- ✓ Reinforces Key Agriculture Concepts
- ✓ Perfect for Bell Work, Review and Exit Tickets

*Bell ringers are adaptable to most grade levels.

08-2026

Draw

- ☐ Draw your best FFA Emblem!

Fill in the Blank

- ☐ Learning to Do, Doing to Learn, Earning to Live, Living to _____. Which line would you like to apply more in your leadership?
- ☐ The FFA Creed was written by _____ Tiffany. Why was the FFA Creed written?
- ☐ Parliamentary Procedure is often called _____ Rules of Order. What do you know about Parliamentary Procedure?

Identification

- ☐ Identify which components are a part of the Three Circle Model and define each one:
1. Classroom
 2. Laboratory
 3. Placement
 4. Supervised Agricultural Experience
- ☐ List which SAE category these examples belong to:
1. Raising chickens
 2. Job shadowing
 3. Working in a greenhouse
 4. Mowing lawns
- ☐ What color jacket is part of official FFA dress? What part of Official Dress is your favorite?
1. Gold
 2. Blue
 3. Green
 4. Black

Reflection

- ☐ Which line of the FFA Motto best describes you right now? Explain.
- ☐ What would happen if meetings had no rules? Think about Parliamentary Procedure to help you answer this question!
- ☐ Why does the FFA wear official dress?
- ☐ Which part of FFA interests you most and why?

Short Answer

- ☐ Explain the importance of Parliamentary Procedure and why it helps meetings run efficiently.
- ☐ Describe three ways FFA can help students prepare for careers.
- ☐ List the parts of FFA Official Dress.
- ☐ In 2-3 sentences, explain what leadership means.
- ☐ Develop an example of each SAE category:
- Placement
 - Exploratory
 - Entrepreneurship/Ownership
 - Research
 - School Based Enterprise
 - Service Learning
- ☐ Write the first paragraph of the FFA Creed.
- ☐ Why is the FFA Creed important?
- ☐ Why are each of these important to the FFA?
- FFA Motto
 - SAE
 - Creed
 - Official Dress

True or False

- ☐ FFA originally stood for Future Farmers of Agriculture. How has FFA grown to meet the needs of its members?

SOFT SKILLS

Draw

- ☐ Create a visual schedule for your after-school activities – use words, symbols, or bullet points!
- ☐ Draw or list what would be included for a professional appearance for an interview.

Fill in the Blank & Short Answer

- ☐ Making eye contact is an example of effective _____. Explain why.

Identification

- ☐ Explain why each of the following does or does not demonstrate professionalism.
 1. Meeting deadlines
 2. Gossiping
 3. Skipping work
 4. Complaining

Matching

- ☐ Match each interview behavior with the correct category.

Categories:

 1. Appropriate
 2. Inappropriate

Behaviors:

 - Arriving 10 minutes early ____
 - Checking your phone during the interview ____
 - Making eye contact when speaking ____
 - Wearing wrinkled clothes ____
 - Listening carefully before answering questions ____
 - Interrupting the interviewer ____

Reflection

- ☐ What area throughout your day could you use your time more efficiently and why?
- ☐ Describe a time you had a conflict and were able to resolve it.
- ☐ What is big-picture thinking? How can big-picture thinking help with goal setting?
- ☐ Which soft skill do you want to improve most?

Short Answer

- ☐ Why is being on time a part of professionalism?
- ☐ Why is communication important? Explain a time when communication was important to complete a task. (2-3 sentences)
- ☐ What should you do if you do not understand instructions?
- ☐ What are three things you would include on a resume?
- ☐ Give one example of verbal and nonverbal communication.
- ☐ List three examples of teamwork.
 - 1.
 - 2.
 - 3.
- ☐ What tools could you use to help with time management?
- ☐ What are three questions you may think would be in a job interview?
- ☐ Give a good and poor example for each of the following soft skills:
 1. Responsibility
 2. Communication
 3. Networking

True or False & Short Answer

- ☐ Teamwork means everyone does the exact same task. Explain your answer.
- ☐ First impressions do not matter during interviews. Why is it important to have a good first impression?

ANIMAL SCIENCE

Definition

- ☐ Define the following
 1. Sow
 2. Gilt
 3. Boar
 4. Barrow
- ☐ Define the following:
 1. Kid
 2. Doeling
 3. Nanny
 4. Billy Goat or Buck
 5. Wether
- ☐ Define the following:
 1. Calf
 2. Cow
 3. Heifer
 4. Steer
 5. Bull

Draw

- ☐ Sketch and label the parts of a swine.
- ☐ Sketch and label the parts of a goat.
- ☐ Choose an animal and create a simple life cycle diagram.
- ☐ Illustrate and explain one use of an animal byproduct.

Matching

- ☐ Match the nutrients to their definition.

Carbohydrates ___	a. Store energy and protect organs
Proteins ___	b. Keeps the body cool and helps cells work
Fats (lipids) ___	c. Give the body quick energy
Vitamins ___	d. Elements like calcium and iron that build strong bones and blood
Minerals ___	e. Build and fix body parts like muscles and skins
Water ___	f. Tiny parts that help control body work

Reflection

- ☐ Why do different animals have different nutritional needs?
- ☐ What are ways farmers monitor animal health?
- ☐ What is animal husbandry? Why is responsible animal care and husbandry important?

Short Answer

- ☐ What are the four basic needs all animals must have for survival?
- ☐ Why is shelter important for livestock?
- ☐ How do genetics play a role in animal growth?
- ☐ Make a list of commonly consumed animal by products?
- ☐ Where can animal by products be taken from? (example: skin, bones)
- ☐ Name one factor that affects animal growth and explain how.
- ☐ Make a list of animal by products used in sports.
- ☐ Choose and describe one stage of an animal's life cycle.

True or False & Short Answer

- ☐ Animal byproducts can be used in many industries. Name three byproducts and how you use them day-to-day.

PLANT SCIENCE

Draw

- ☐ Draw and label the parts of a plant.
- ☐ Sketch the stages of seed germination.
- ☐ Sketch your favorite plant and label three features.
- ☐ Draw the soil texture triangle.

Fill in the Blank & Short Answer

- ☐ Sand, silt, and clay are components of _____. Describe the difference between sand, silt, and clay.

Matching

- ☐ Match plant parts to their functions.

Flower ____	a. Supports the plant and carries water and food throughout it
Leaves ____	b. Use sunlight to make food for the plant
Stem ____	c. Make seeds & sometimes fruit
Roots ____	d. Anchor the plant and absorb water & nutrients from the soil to the plant

Reflection

- ☐ Why might two plants grow at different rates?
- ☐ How do plants benefit people every day?

Short Answer

- ☐ How do plants absorb water?
- ☐ What is required for plant growth?
- ☐ What is the function of roots?
- ☐ Explain the difference between dirt and soil.
- ☐ What is the pollination stage?
- ☐ What are common tools for planting?
- ☐ Why is soil important to plants?
- ☐ List three common plant species native to the state.
- ☐ Name one nutrient and explain why it is important for plant growth.
- ☐ Describe the purpose of each part of a plant:
 - Flower
 - Root
 - Stem
 - Soil
- ☐ Name three plant identification clues.
- ☐ Describe what a healthy plant looks like.

True or False & Short Answer

- ☐ Leaves are important for photosynthesis. Explain why.

AGRICULTURAL MECHANICS

Draw

- ☐ Sketch and label a piece of PPE.
- ☐ Choose a piece of equipment or tool. Draw the tool, label the tool, and describe what it is used for.
- ☐ Design a workshop safety poster.

Fill in the Blank & Short Answer

- ☐ PPE stands for Personal Protective _____. In what ways have you seen PPE in use?

Predict

- ☐ What new agricultural technology might exist in 20 years? Why do you think this would help or hinder agriculture production?

Reflection

- ☐ List three identifying factors and why those may cause accidents to happen in workshops?
- ☐ How can your behavior in the lab influence others?
- ☐ What safety rule do you think is most important and why?
- ☐ How might technology improve farm efficiency? 2-3 sentences.

Short Answer

- ☐ What does OSHA stand for and what is its purpose?
- ☐ List three things to consider before using a piece of equipment.
 - 1.
 - 2.
 - 3.
- ☐ Why is lab safety important?
- ☐ What is a piece of agricultural technology or equipment and how has it evolved over time?
- ☐ List three types of PPE and how they protect yourself and others when working with equipment.
 - 1.
 - 2.
 - 3.
- ☐ List three career options that would work with agricultural equipment and technologies and how you have seen them in action.
 - 1.
 - 2.
 - 3.
- ☐ Name a new or emerging technology and its effect on agriculture.
- ☐ Describe the importance of keeping shop records and equipment up to date and properly working?
- ☐ Name three hand tools used in woodworking.
 - 1.
 - 2.
 - 3.
- ☐ Describe how these technologies are used in agriculture:
 - Global Positioning System (GPS)
 - Drones
 - Temperature & Moisture Sensors
- ☐ Describe a safe workshop environment.

ANSWER KEY

FFA

Fill in the Blank

- Learning to Do, Doing to Learn, Earning to Live, Living to Serve.
- The FFA Creed was written by E.M. Tiffany.
- Parliamentary Procedure is often called Roberts Rules of Order.

Identification

- Identify which components are a part of the Three Circle Model and define each one:
 - Classroom/Laboratory Instruction – Agricultural education taught in class and labs
 - FFA – Leadership and personal development organization
 - SAE (Supervised Agricultural Experience) – Hands-on agricultural learning experiences
- List which SAE category these examples belong to:
 - Raising chickens - Entrepreneurship/Ownership SAE
 - Job shadowing - Exploratory SAE
 - Working in a greenhouse - Placement SAE
 - Mowing lawns - Entrepreneurship/Ownership SAE
- What color jacket is part of official FFA dress?
 - Blue

True or False

- FFA originally stood for Future Farmers of Agriculture.
 - True

SOFT SKILLS

Fill in the Blank

Making eye contact is an example of effective communication.

Matching

- Match each interview behavior with the correct category.
 - Arriving 10 minutes early – Appropriate
 - Checking your phone during the interview - Inappropriate
 - Making eye contact when speaking - Appropriate
 - Wearing wrinkled clothes - Inappropriate
 - Listening carefully before answering questions – Appropriate
 - Interrupting the interviewer - Inappropriate

True or False

- First impressions do not matter during interviews.
 - False
- Teamwork means everyone does the exact same task.
 - False

ANSWER KEY

ANIMAL SCIENCE

Definitions

- Swine
 - Sow - Adult female pig that has had piglets
 - Gilt - Young female pig that has not had piglets
 - Boar - Intact male pig
 - Barrow - Castrated male pig
- Goats
 - Kid - Young goat
 - Doeling - A female goat until she has a baby.
 - Nanny - A female goat is called a nanny or a doe once it's had babies.
 - Billy Goat/Buck - Intact male goat.
 - Wether - A castrated male goat.
- Cattle
 - Calf - Young cattle of either sex, less than one year of age
 - Cow - Female cattle that have produced one or more calves.
 - Heifer - Female cattle under 2 years of age, that have not calved.
 - Steer - Male cattle that are castrated before reaching sexual maturity.
 - Bull - A male bovine with testicles intact.
- Match the nutrients to their definition
 - Carbohydrates (C)
 - Proteins (E)
 - Fats (lipids) (A)
 - Vitamins (F)
 - Minerals (D)
 - Water (B)

PLANT SCIENCE

Fill in the Blank

- Sand, silt, and clay are components of soil.

Matching

- Plant parts
 - Flower (c)
 - Leaves (b)
 - Stem (a)
 - Roots (d)

True or False

- Leaves are important for photosynthesis.
 - True

AGRICULTURAL MECHANICS

Fill in the Blank

- PPE stands for Personal Protective Equipment.
- OSHA stands for Occupational Safety and Health Administration.