



Chicken Farm Tour With Farmer Rachel

LESSON PLAN (Ideal for Grade 4)

Agriculture scientists and farmers for thousands of years have studied animals to learn how best to provide for the physical and behavioural needs of the animals that provide us with the nutrition we need for a healthy diet.

Join third-generation chicken farmer, Rachel, for a tour of her family-owned and operated broiler chicken farm. Discover how Rachel cares for her chickens and the technology used to provide the chickens with nutritious food, clean water, safe shelter, living space, and health care.

ACTIVATE

1. Have students complete the K-W of a K-W-L

- Know:** Identify 3 - 5 things you know about chickens and/or chicken farming.
- Want to Know:** Identify 1 - 2 things you would like to know about chicken farming.

2. Before the virtual tour

- As a class identify the components of an animal habitat. (i.e. food, water, living space, shelter) and ask the students to identify all of these components in the chicken habitat during their virtual tour of Rachel's chicken farm.
- Remind the class of the question they submitted for the Q & A.

ACQUIRE

Participate in the virtual presentation of a 'Chicken Farm Tour with Farmer Rachel'.

During the presentation, have students look for all the components of an animal habitat that farmer Rachel provides for the chickens.

APPLY

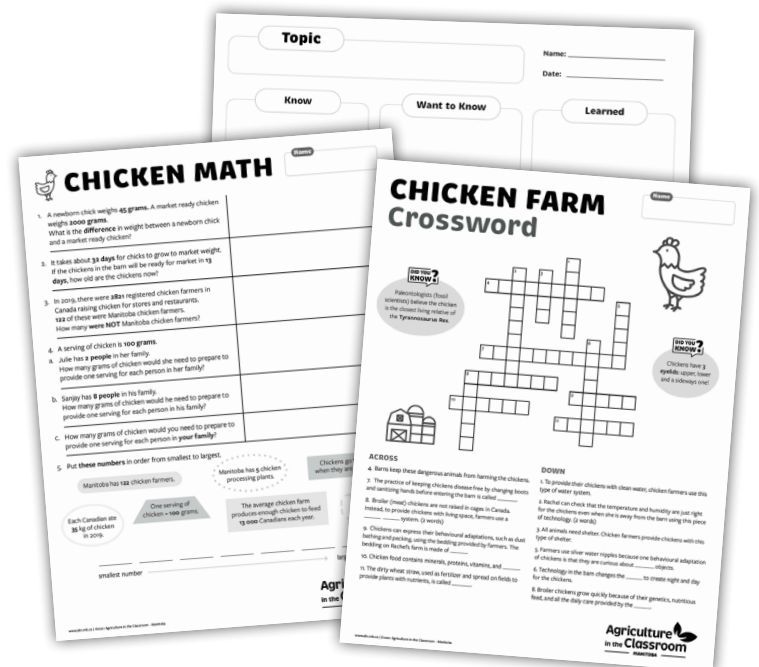
1. Ask students to record 3 new things they learned about chickens or chicken farming in the 'Learn section' of their K-W-L sheet.

2. Additional application activity suggestions:

- Have students complete the **Chicken Farm Crossword** puzzle and **Chicken Math** sheet provided.
- Have students draw a picture of a chicken barn and label all the components used to provide a good chicken habitat.
- Have students write about:
 - My day as a chicken farmer.
 - A day in the life of a chicken, from the viewpoint of a chicken in Rachel's chicken barn.

CURRICULUM CONNECTIONS

Grade 4 Science – Habitats and Communities	
4-1-01	Use appropriate vocabulary related to their investigations of habitats and communities. Include: habitat , physical adaptation, behavioural adaptation , traditional knowledge, technological development , population, community, food chain, food web, organism, producer, consumer, herbivore, omnivore, carnivore, predator , prey, scavenger, endangerment, extinction, conservation.
4-1-03	Identify the components of an animal habitat. Include: food, water, living space, cover/shelter.
Grade 4 Mathematics - Number Strand	
4.N.2.	Compare and order numbers to 10 000.
4.N.3	Demonstrate an understanding of addition of numbers with answers to 10 000 and their corresponding subtractions (limited to 3- and 4-digit numerals), concretely, pictorially, and symbolically
4.N.6	Demonstrate an understanding of multiplication (2- or 3-digit numerals by 1-digit numerals) to solve problems

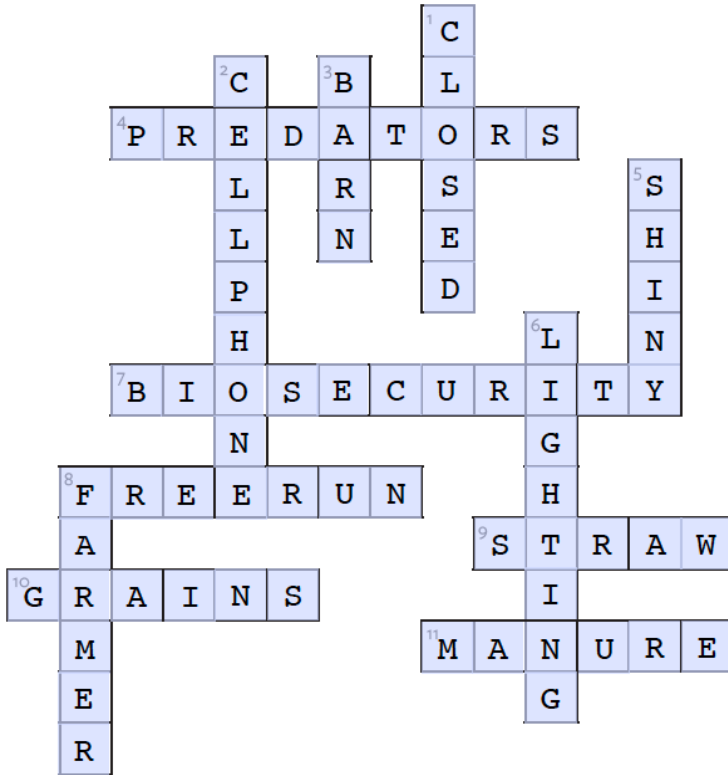


Chicken Farm Tour

With Farmer Rachel

ANSWER KEY

CHICKEN FARM CROSSWORD



CHICKEN MATH

- 1955 grams
- 19 days old
- 2699 farmers
- a. 200 grams of chicken
b. 800 grams of chicken
c. Student's family size x 100
- 5 32 35 100 122 2821 13 000

Topic

Name: _____

Date: _____

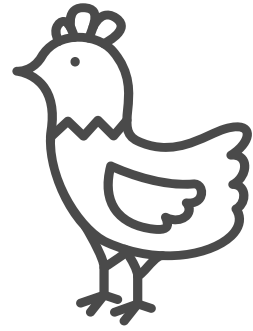
Know

Want to Know

Learned

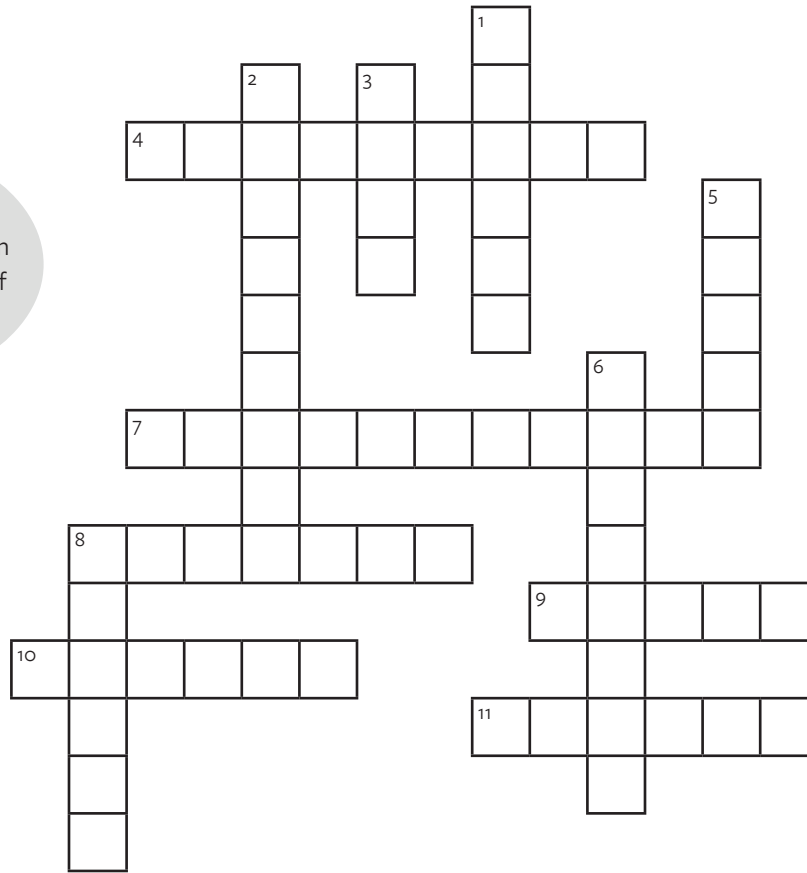
CHICKEN FARM Crossword

Name _____



DID YOU KNOW?

Paleontologists (fossil scientists) believe the chicken is the closest living relative of the **Tyrannosaurus Rex**.



DID YOU KNOW?

Chickens have **3 eyelids**: upper, lower and a sideways one!

ACROSS

4. Barns keep these dangerous animals from harming the chickens.
7. The practice of keeping chickens disease free by changing boots and sanitizing hands before entering the barn is called _____.
8. Broiler (meat) chickens are not raised in cages in Canada. Instead, to provide chickens with living space, farmers use a _____ system. (2 words)
9. Chickens can express their behavioural adaptations, such as dust bathing and pecking, using the bedding provided by farmers. The bedding on Rachel's farm is made of _____.
10. Chicken food contains minerals, proteins, vitamins, and _____.
11. The dirty wheat straw, used as fertilizer and spread on fields to provide plants with nutrients, is called _____.

DOWN

1. To provide their chickens with clean water, chicken farmers use this type of water system.
2. Rachel can check that the temperature and humidity are just right for the chickens even when she is away from the barn using this piece of technology. (2 words)
3. All animals need shelter. Chicken farmers provide chickens with this type of shelter.
5. Farmers use silver water nipples because one behavioural adaptation of chickens is that they are curious about _____ objects.
6. Technology in the barn changes the _____ to create night and day for the chickens.
8. Broiler chickens grow quickly because of their genetics, nutritious feed, and all the daily care provided by the _____.

ANSWERS

- | | | | |
|--------|--------|------------|-------------|
| CLOSED | SHINY | MANURE | BIOSECURITY |
| STRAW | FARMER | CELL PHONE | FREE RUN |
| BARN | GRAINS | PREDATORS | LIGHTING |



CHICKEN MATH

Name

1. A newborn chick weighs **45 grams**. A market ready chicken weighs **2000 grams**.

What is the **difference** in weight between a newborn chick and a market ready chicken?

2. It takes about **32 days** for chicks to grow to market weight. If the chickens in the barn will be ready for market in **13 days**, how old are the chickens now?

3. In 2019, there were **2821** registered chicken farmers in Canada raising chicken for stores and restaurants. **122** of these were Manitoba chicken farmers. How many **were NOT** Manitoba chicken farmers?

4. A serving of chicken is **100 grams**.

a. Julie has **2 people** in her family. How many grams of chicken would she need to prepare to provide one serving for each person in her family?

b. Sanjay has **8 people** in his family. How many grams of chicken would he need to prepare to provide one serving for each person in his family?

c. How many grams of chicken would you need to prepare to provide one serving for each person in **your family**?

5. Put **these numbers** in order from smallest to largest.

Manitoba has **122** chicken farmers.

Manitoba has **5** chicken processing plants.

Chickens go to market when they are **32** days old.

Each Canadian ate **35** kg of chicken in 2019.

One serving of chicken = **100** grams.

The average chicken farm produces enough chicken to feed **13 000** Canadians each year.

Canada has **2821** chicken farmers.

_____ → _____
smallest number → largest number