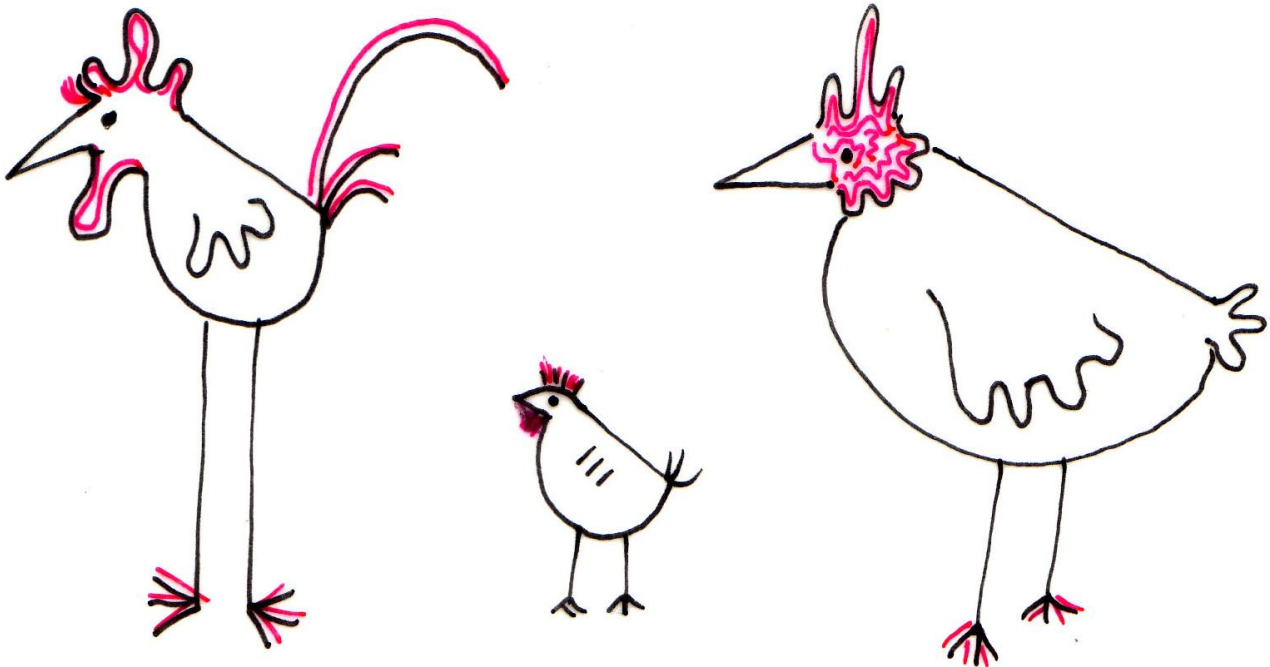
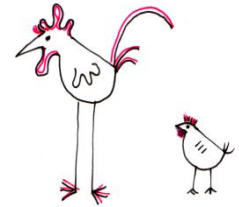


Worksheets



Looking at Eggs

Name _____



Most of the eggs we eat come from chickens. A female chicken is called a _____. A male is called a _____ or cockerel and the babies are called _____. A young hen is known as a _____. Other eggs that are eaten are quail, duck and goose eggs.

1. What egg colours did you observe in the activity? _____

The producers class all eggs that are not white, as brown.

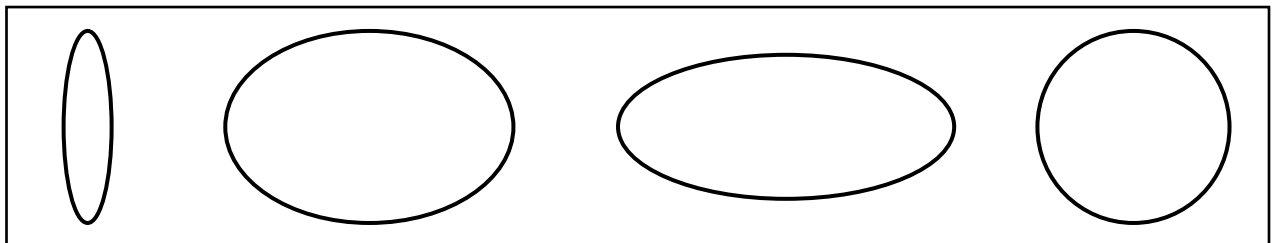
2. What is the most popular egg colour in Australia? _____

What is the most popular egg colour in America? _____

Is there any difference in the content of eggs with different coloured shells? _____

3. Not all the eggs laid by hens are the same size. Explain why this happens?

4. Some birds lay round eggs and others lay eggs with one very pointy end. The eggs of hens are different. In the box, colour the shape of a hen's egg brown.



5. Eggs are protected by their hard _____. This is made up mainly of a type of calcium carbonate called calcite. Shells are rigid but _____

6.

<p>Add the following words to the diagram.</p> <p>yolk, albumen, shell, air cell, chalaza cord, germinal disc, shell membrane.</p> <p>Colour the yolk yellow.</p>	
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7. **Research** the importance of each of the following parts of an egg.

yolk _____

albumen _____

shell _____

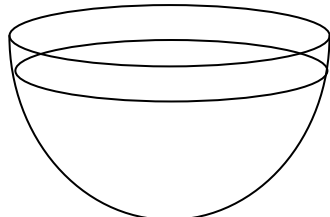
air cell _____

chalaza cord _____

germinal disc _____

shell membrane _____

8. Complete the drawing to show a **fresh egg** in the bowl of water.

	<p>As the egg gets older the air cell gets bigger causing the egg to _____ in a bowl of water however, thin or cracked shells will also cause the egg to rise slightly.</p>
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9. **Interesting Egg Facts**

Which large Australian bird lays big, green eggs? _____

Which bird lays a pale blue egg? _____. Hint: The colour duck egg blue is a popular paint colour.

Which bird lays the smallest egg? _____

Which New Zealand bird, about the size of a chicken, lays an egg six times the size of a chicken egg? _____

Science Experiments 1

1. Freshness Test

You will need

eggs
glass bowl
water

Instructions

Half fill the bowl with water.
Place the eggs gently in the bowl.

Explanation

The fresh eggs will sink.
Less fresh eggs will float slightly because the air cell becomes larger with age.
Older eggs are still useful for cooking cakes and biscuits.
Rotten eggs however need to be discarded.
This test is only a guide as weak, cracked or light shells can also cause an egg to float.
The use-by date on the carton is the best guide of freshness.

2. Boiled Egg Test

You will need

boiled egg
fresh egg
smooth level surface
paper towel

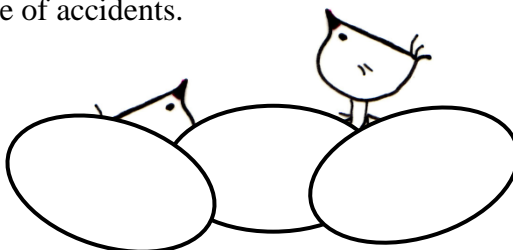
Instructions

Mark the boiled egg with a pencil.
Carefully spin the eggs, one at a time.
Observe the difference.
Ask students to suggest reasons for the differences.
Spin the eggs and then put your finger on them to stop them.
Observe what happens when you try to stop the spinning of the eggs.

Explanation

The boiled egg will spin faster. The raw egg will spin slowly. The reason for this has to do with the insides. The boiled egg is one solid piece therefore the whole egg spins in the same direction. The raw egg has liquid inside which moves separately from the shell. The movement of the inside of the raw egg keeps the whole egg from spinning quickly.
When trying to stop the eggs from spinning the boiled egg should stop immediately. The raw egg will keep spinning for a moment because the liquid inside the egg will keep moving.

Have paper towel ready in case of accidents.



Chicken Sayings

Teacher Information

Use the list of chicken sayings to develop activities involving reading, researching, interpreting, illustrating, and oral presentation.

Suggested Activities

1. Students locate their own chicken sayings and present to the class orally, with their meanings.
2. As above, but illustrate in their workbooks.
3. Compile a class list of chicken sayings.
4. Each student is given a number of sayings from the list below, to explain and illustrate in cartoon form. Use A4 or Art paper. Divide the sheet into squares for each illustration. Ask students to write the saying at the bottom of each cartoon.
5. Chicken saying from other countries could also be researched.
6. Students mime the sayings.

Chicken Sayings

Don't put all your eggs in the same basket.

Like a chook with its head chopped off.

Don't count your chickens before they hatch.

Strut your stuff.

Playing chicken.

Chickens come home to roost.

The rooster makes all the noise but the hen rules the roost.

The rooster rules the roost but the hen rules the rooster.

A hen's party.

Like walking on egg shells.

There's a pecking order.

Stop preening.

Fine feathered friends.

Fussing like an old hen.

Not all it is cracked up to be.

Feeling cooped up.

When chickens had teeth.

Being clucky.

Can't boil an egg.

Being cocky.

Wake when the rooster crows.

Strutting around.

He's a bad egg.

Stop crowing.

No spring chicken.

Nest egg.

Chicken fed.

As scarce as hen's teeth.

You'll be left with egg on your face.

Feather your nest.

A feather in your cap.

Cock of the walk.

Don't brood over it.

Chick flick.

He rules the roost.

Flown the coop.

Like a mother hen.

Stuck in my craw.

Other bird sayings

The early bird gets the worm.

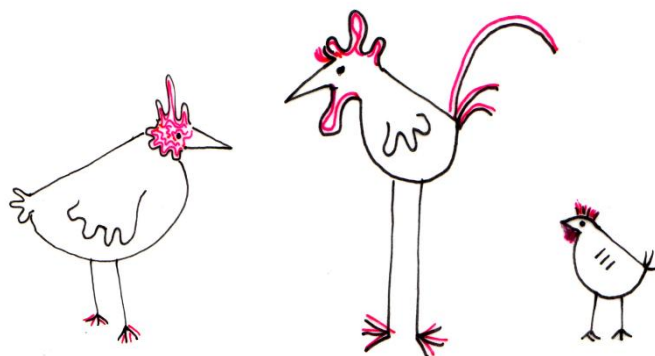
Sing like a bird.

Birds of a feather flock together.

Like water off a duck's back.

Lovely weather for ducks.

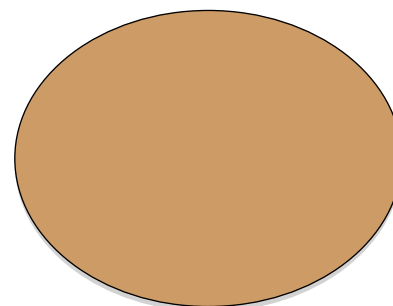
A bird in the hand is worth two in the bush.



Measuring Eggs Name: _____

Length

1. Estimate the length of a chicken egg. _____ cm.
2. Estimate the width of a chicken egg. _____ cm.
3. Estimate the height of a chicken egg. _____ cm.



Compare your estimates with another student and revise if necessary.

4. Measure the length of a chicken egg. _____ cm.
5. Measure the width of a chicken egg. _____ cm.
6. Measure the height of a chicken egg. _____ cm.

Mass

7. Use a set of kitchen scales to measure the mass of an egg carton. _____ g.
8. Use a set of kitchen scales to measure the mass of a dozen eggs. _____ g.
9. Estimate the mass of one egg. _____ g. How did you make this estimate?

-
-
10. Measure the mass of one egg. _____ g. What was the difference from your estimate? _____ g. Estimate the mass of 1/2 dozen eggs. _____ g.

Money

11. If a dozen eggs cost \$4.80, how would you use a calculator to find the cost of each egg? _____
12. If you used 6 eggs to make scrambled eggs, provide two ways the cost of the eggs could be calculated. _____ x _____ = \$ _____ , _____ ÷ _____ = \$ _____
13. If a recipe used 3 eggs, provide two ways the cost of eggs could be calculated _____ x _____ = \$ _____ , _____ ÷ _____ = \$ _____.
14. If you bought 4 dozen eggs, how much would they cost? _____

Spelling Activities

Choose the correct word

1. My brown _____ has a beautiful, long tail. (rabbit, truck, rooster)
2. The _____ of chickens were scratching in the farmyard. (flock, swarm, herd)
3. The _____ farmer had lots of chickens. (chairs, poultry, books)
4. I like tiny, fluffy _____. (chicks, swim, fast)
5. The nest was lined with soft _____. (wire, lay, feathers)

Word building

Add a prefix or suffix to make new words. (prefixes – un, non) (suffixes - s, es, ed, ing, ly)
e.g. cluck – clucks, clucked, clucking

crow _____

scratch _____

crow _____

roost _____

lay _____

Sentence writing

Write each of the following words in sentences that *show you understand their meaning*.

organic _____

healthy _____

mature _____

domestic _____

speckled _____

Scrambled Words

Unscramble the following words from List 5

cfnee _____ durga _____ ofrol _____ hggtnili _____ aroetdrp _____

Silent Letters

Comb has a silent “b”. Write five other words that have a silent ‘b’ as the last letter.

1. _____ 2. _____ 3. _____

4. _____ 5. _____ N.B. Not from the lists.

Riddles

Choose five words from the list and write a simple riddle for each one. Read to the class who write down their correctly spelt answer

Who am I?

I have a beautiful long tail.

I wake the chickens up in the morning.

I do not lay eggs.

Who am I?

Who am I?

I live in a large, cosy barn.

I laid my first egg today.

The hens clucked loudly.

Who am I?

Alphabetical order

Write your spelling words in alphabetical order, along the lines. One list only.

Dictionary Meanings

Use a dictionary to find the meanings of the words in **bold** in the spelling lists.

pullet _____

scavenger _____

moult _____

broody _____

organic _____

Word families

Write five words ending in 'atch' as in hatch.

Word Usage

Write sentences using these words correctly. **lay, laying and laid.**

Spelling Rules /Generalisations

There are many of these. Work through your list or address those your class is having difficulties with.

Homophones

Underline the correct word from those in the brackets.

The clever hen found a way (threw, through) the barnyard fence.

The farmer had to (saw, sore) the (bored, board) for the new coop.

The egg is graded by (weight, wait) before it is put in the carton.

The wheat fed to chickens is a (serial, cereal).

Homonyms

Write the correct words on the line. (breed, crows, wattle)

This _____ of chicken will _____ next spring.

When that rooster _____, he is louder than all the _____ sitting in the tree.

The hen under the _____ tree has a bright, red _____.

Synonyms

Words with similar meanings such as big / large. Write synonyms from the lists for

chook _____, rooster _____, spotty _____, group _____,

yard _____, tame _____, cluck _____, pen _____.

Antonyms

Words with the opposite meaning such as big / small. Write antonyms from the lists for

black _____, old _____, sick _____, immature _____

inorganic _____, hen _____, free-range _____.

Spelling Bingo

Children write ten words from the class list on a piece of paper. A time limit is set. The teacher calls out words from the list, and children underline the word if it is on their list.

When they have ten words they call out, Bingo. The words are checked and if all are correct, the person is declared the winner and can call out the next list for the class.

Word Basketball

Divide the class into two groups. Provide a bucket and a soft ball. Line the teams up facing each other with the bucket at an appropriate distance from the 'in team'.

The teacher reads a List word out and the first player spells it. If correct, student throws the ball into the bucket. If they are successful, the team gets a point and the teacher continues.

Swap teams so everyone has a turn.

Word Baseball

Baseball is played in a similar way using three bases and a pitcher. The pitcher calls out the List words. If correct, the player moves to first base.

Wall List

Write the weekly list or theme words and place on a wall in the class. Encourage the children to add relevant words to the list as they arise during their activities.

Word Lists

List 1

chicken
rooster
cockerel
pullet
poultry
flock
chook
comb
wattle
feather

List 2

cluck
crow
scratch
ruffle
roost
moult
breed
lay
hatch
broody

List 3

colour
white
yellow
speckled
brown
organic
healthy
mature
young
domestic

List 4

protection
production
industry
chemical
production
vegetarian
omnivore
oviparous
system
consumer

List 5

manure
barn
fence
caged
free-range
guard
floor
lighting
scavenger
predator

List 6

carton
dozen
batch
candling
albumen
yolk
weight
package
label
storage

List 7

growth
monitor
commercial
reproductive
formation
welfare
disease
nutrition
standard
behaviour

List 8

farmer
tractor
turkey
bantam
gizzard
flighty
warmth
cackle
coop
comfort