Tools of the trade 1

Match the tools on the table with these *purpose of tools* cards.

weight	weight
length	volume
time	temperature

Tools of the trade 2

What is the unit of measure? Match tools with *units of measure* cards.

grams (g)	grams (g)
ounces (oz)	centimeters (cm)
inches (in)	milliliters (ml)
days	degrees

Tools of the trade 3

You are trying to find out which tool you should use? Match tools with *task* cards.

You are trying to measure how long it takes to incubate eggs. For this task, you need...

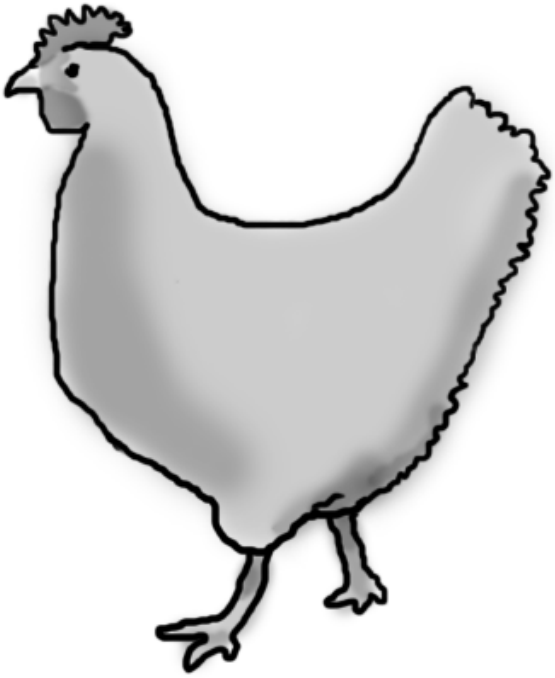
You are trying to measure a chick. For this task, you need...

You are trying to measure how much space an egg takes up. For this task, you need...

You are trying to see how warm it is in the incubator. For this task you need...

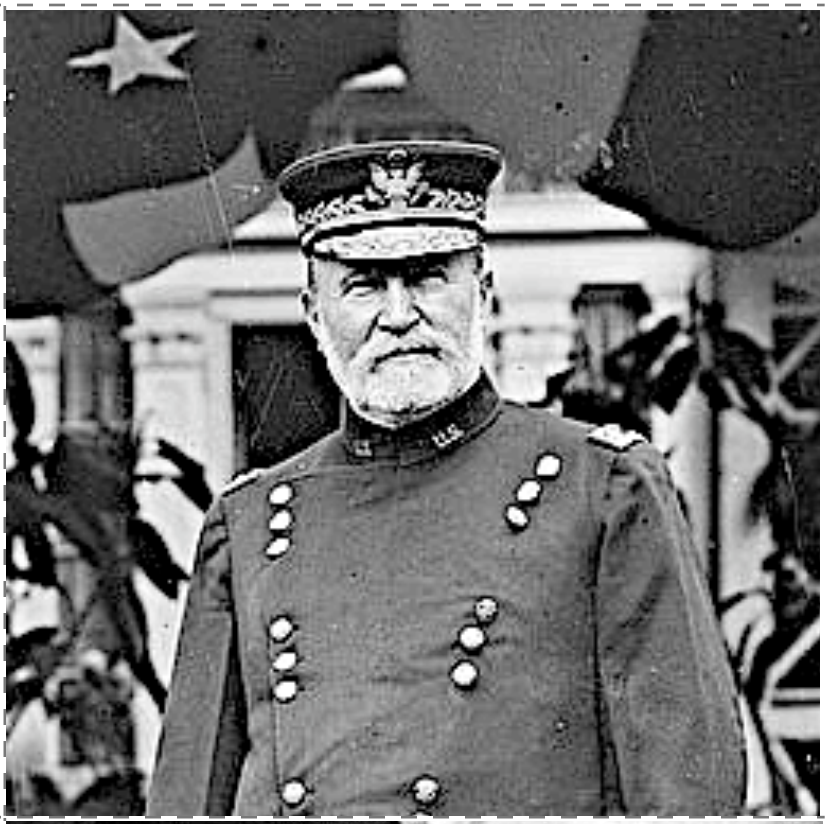
Life cycles 1

Remove the cards from the chicken envelope.
Place them in the correct order to show that you know the life cycle of a chick.



Life cycles 2

Choose 2 other envelopes, remove the life-cycle cards
and place them in the correct order.



Life cycles 2

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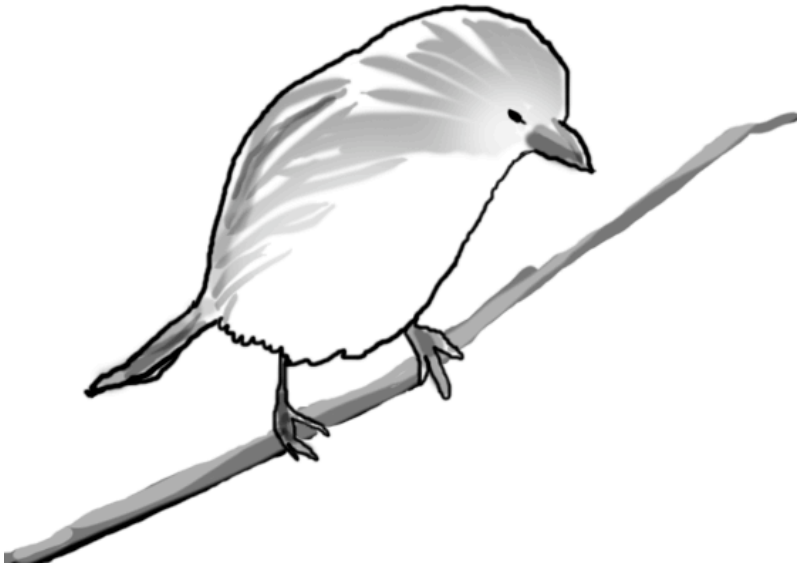
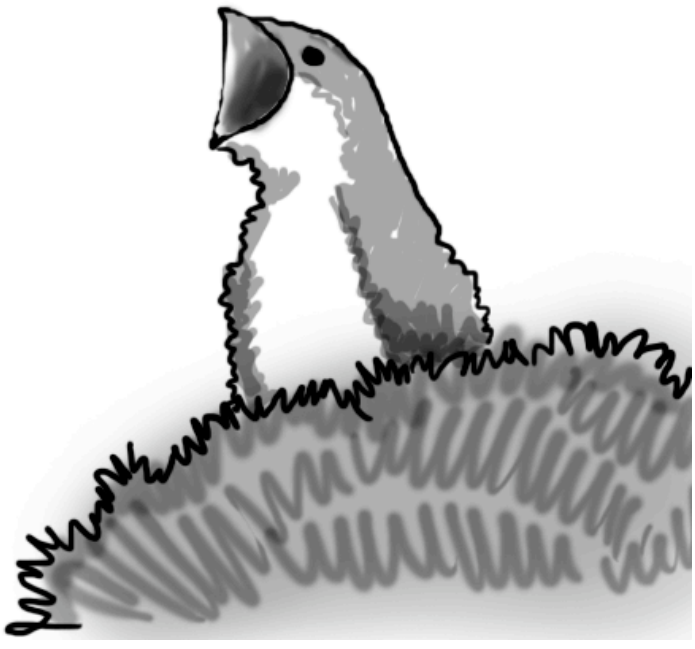
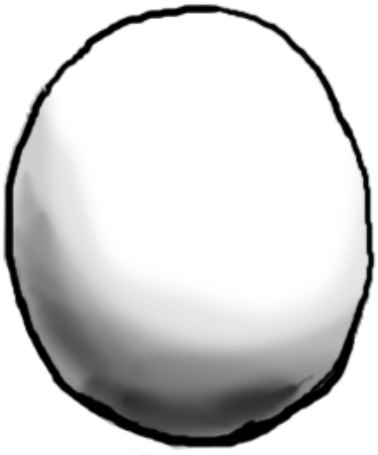
and place them in the correct order.







Life cycles 2

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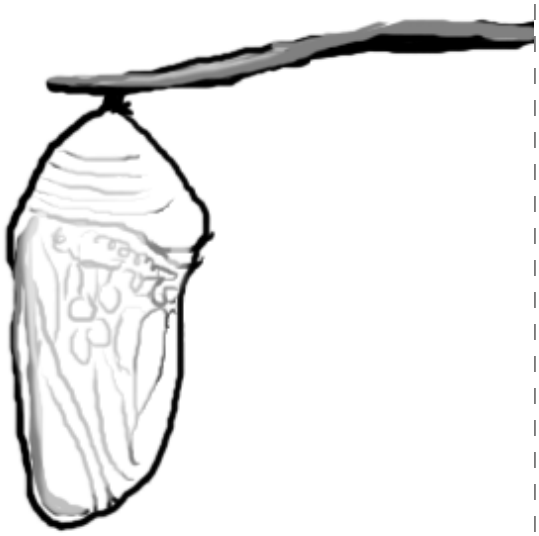

Life cycles 2

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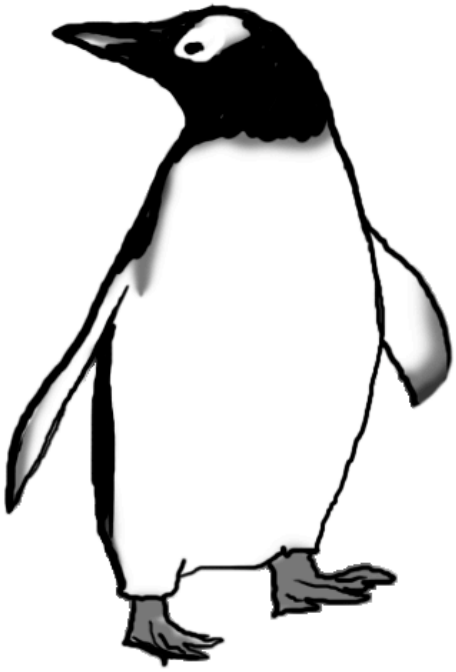
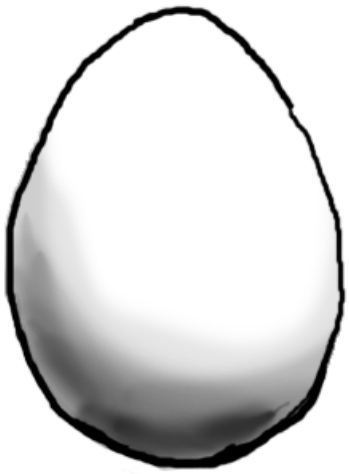




Death of a chick

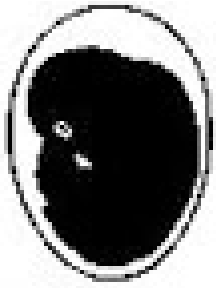
Several of your chicks died. Look at the log sheet to see if you can tell why.
Identify the day a problem occurred. What data indicates a problem?
What happened that may have caused the problem?

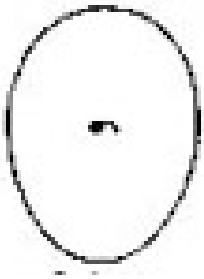
		turned	temp. in incubator	humidity in incubator	experimental egg	control egg	notes
day 1	1st	yes	100.5	60%			
	2nd	yes	100.5	60%			
	3rd	yes	100.5	60%			
day 2	1st	no	100.5	60%			The turner was stuck! It started moving with a little again with a little push. I think it is ok.
	2nd	yes	100.5	60%			
	3rd	yes	100.5	60%			
day 3	1st	yes	102	25%			The water tray was not filled and it was dry.
	2nd	yes	101	45%			
	3rd	yes	100.5	55%			
day 4	1st	yes	100.5	60%			
	2nd	yes	100.5	60%			
	3rd	yes	100.5	60%			
day 5	1st	yes	100.5	60%			Moved the table that the incubator was on. I don't think we bothered the eggs
	2nd	yes	100.5	60%			
	3rd	yes	100.5	60%			
day 6	1st	yes	100.5	60%			
	2nd	yes	100	60%			
	3rd	yes	100.5	60%			
day 7	1st	no	75	45%			Electricity went off last night and no heater. So the electric turner did not work. The light went out and so no heat. Temperature and humidity were low. Slowly went back up.
	2nd	yes	95	55%			
	3rd	yes	100.5	60%			
day 8	1st	yes	100.5	60%			
	2nd	yes	100.5	60%			
	3rd	yes	101	60%			
day 9	1st	yes	100.5	60%			Discovered that kids from another classroom came in and picked up the eggs. They did not wash their hands which means that germs could have gotten in the eggs.
	2nd	yes	100.5	60%			
	3rd	yes	100.5	60%			

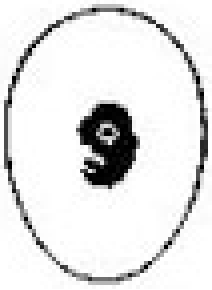
		turned	temp. in incubator	humidity in incubator	experimental egg	control egg	notes
day 10	1st	yes	100.5	55%			
	2nd	yes	100.5	60%			
	3rd	yes	100.5	60%			
day 11	1st						Student forgot to check!
	2nd						
	3rd						
day 12	1st	yes	100.5	60%			
	2nd	yes	100.5	60%			
	3rd	yes	100.5	60%			
day 13	1st	yes	100.5	60%			Fire drill.
	2nd	yes	100.5	60%			
	3rd	yes	100.5	60%			
day 14	1st	yes	0	60%			Thermometer was broken. We had to get a new one.
	2nd	yes	0	60%			
	3rd	yes	100.5	60%			
day 15	1st	yes	100	60%			
	2nd	yes	100.5	60%			
	3rd	yes	101	60%			
day 16	1st	yes	100.5	60%			
	2nd	yes	100.5	60%			
	3rd	yes	100.5	60%			
day 17	1st	yes	101	60%			
	2nd	yes	100.5	60%			
	3rd	yes	100	60%			
day 18	1st	yes	100.5	60%			
	2nd	yes	100.5	60%			
	3rd	yes	100.5	60%			
day 19	1st	yes	100.5	60%			
	2nd	yes	100	60%			
	3rd	yes	100	60%			
day 20	1st	no	100.5	60%			We found out that we were *not* supposed to turn the eggs after day 17. So we turned them 2 extra days.
	2nd	no	100.5	60%			
	3rd	no	100.5	60%			
day 21	1st						
	2nd						
	3rd						

Chick candling

Use a candler to look inside plastic eggs. Sequence the stages of chick development.

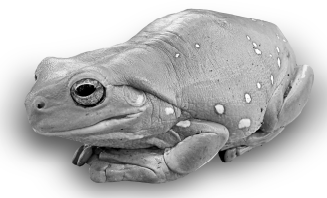






Classifying animals

Use four animal cards to create your own d-key. Explain how your d-key works.



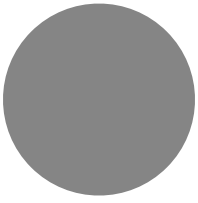
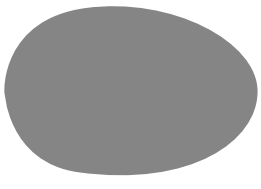
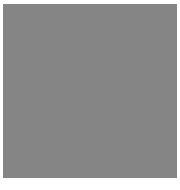
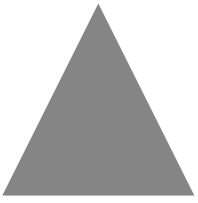
Design technology

Study four egg-catcher designs.
Which design will catch an egg without breaking it? Tell why.

Structure and function

Which shape is the best for an egg?

Function	Which shape is best?	Why?
Most comfortable for the chick to lay.		
Least likely to roll off of a counter while you are making a cake.		
Easy for the chicken to turn so the egg does not roll out of the nest.		
Most comfortable for the chicken to sit on.		

Looking at a modern farm

Sort the photos into modern egg farm and old-fashioned egg farm.