

# Science Learning Options

Choose 1 activity to do each day.



## End of Year Reflection

This year we learned about many things:

Inheritance and variation of traits of some:

- native animals and plants ('Alalā, 'Apapane, Nēnē Goose, Pulelehua Kamehameha; 'Ōhi'a Lehua, Koa, Mamaki, 'Ohe)
- Invasive animals and plants (rats, goats, lizards; Albizia and Autograph trees) and how they take over native ecosystems
- Used models (bird beak lab) to understand how adaptations help animals survive
- Plant and animal lifecycles
- Used tools (microscope/magnifying lens) to observe plant structures/traits

Weather and Climate

- Ka Wai a Kane (water cycle)
- Created models (evaporation, condensation, precipitation)
- Extreme weather - hurricanes
- Engineering: hurricane proof home

Think about the science learning you have done, then complete the End of Year Reflection form.

## Mystery Science

### Trait Variation, Inheritance and Selection

Animals inherit traits from both of their parents. People create new breeds of animals, such as dogs, by selecting individuals with desirable traits. Long ago, the Chinese created a breed of small dogs called the Pekingese. Click on the [Mystery Science](#) link to learn more about trait variation, inheritance and selection.

Then, create your own breed of manu (bird) by selecting at least 1 trait from the mother and one trait from the father to pass down to the offspring..

## Distance Learning Reflection

Think about the Science Learning Options you have been working on from home for the last 8 weeks (you may need to review your Science Google Slides to help you remember). What did you do well? What areas might you need to improve? Complete the Distance Learning Reflection form (remember to use "because" to explain your thinking).

## What Are You Thinking? Animal and Plant Thought Bubbles

Look at the photos of the animals. Put yourself in their shoes. What would you be thinking if you were those animals? Write your thoughts in the bubbles.



# End of Year Science Reflection

Think about the science learning you did this year and respond to the questions below.

What was your favorite science activity that we did this year? Explain why.

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How did learning about Hawaiian words, native animals and plants help you know more about the place in which you live?

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Why is it important to learn about invasive or alien animals?

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How will you continue to mālama 'āina (care for the land) at home this summer?

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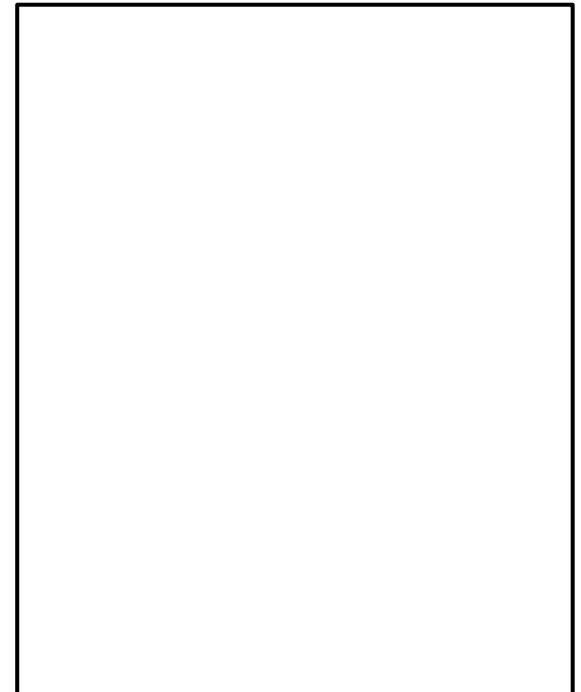


# Mystery Science:

## Trait Variation, Inheritance and Selection

### Create Your Own Bird Breed

Look at the photos of the bird adults. Create your own bird breed in the last box. Remember to select one trait from the mother and one trait from the father to pass down to the offspring.



# Distance Learning Reflection

Think about the Science Learning Options you have been working on from home for the last 8 weeks (you may need to review your Science Google Slides to help you remember). What did you do well? What areas might you need to improve? Record your ideas below. Remember to use "because" to explain your thinking.

In the Science Enrichment Options, I did these two (2) things **well**...

1) \_\_\_\_\_

2) \_\_\_\_\_

One (1) thing I will work on to **improve** in science is...

1) \_\_\_\_\_

What is something new you learned in science during Distance Learning. Explain.

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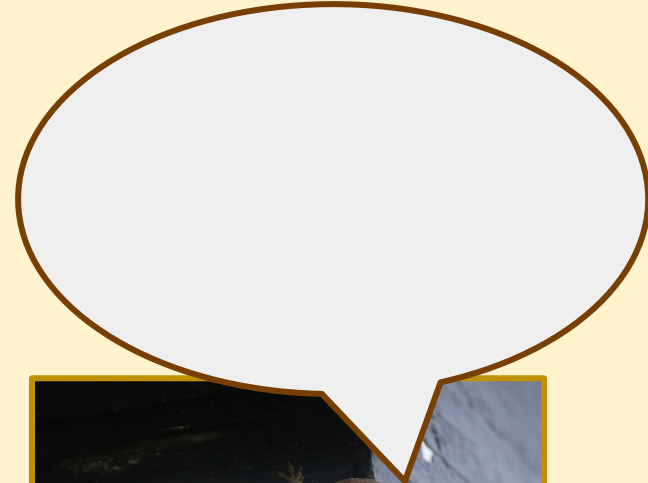
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# What Are You Thinking?

## Animal and Plant Thought Bubbles

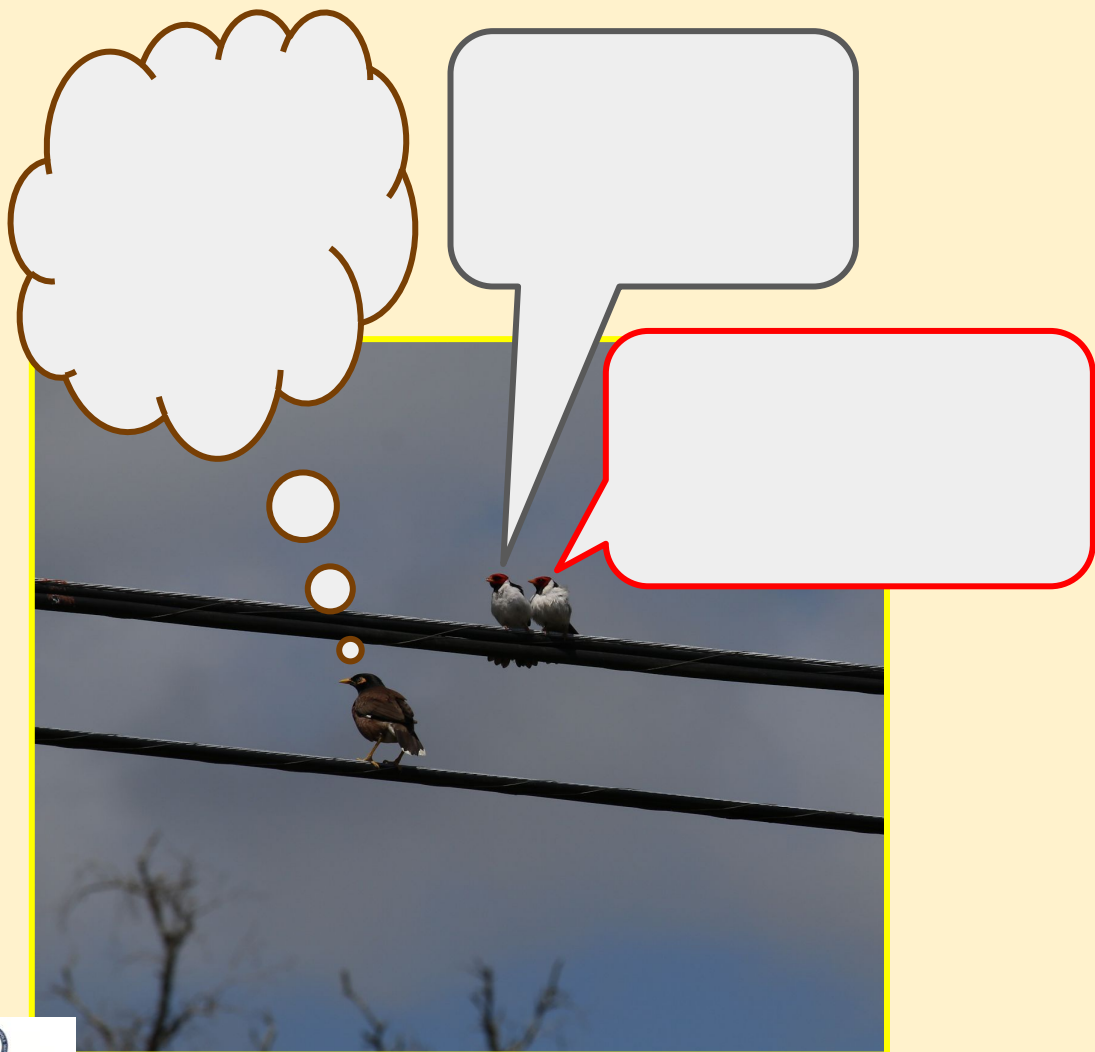
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