LESSON 14 QUESTIONING QUESTIONS

- OBSERVE a natural phenomenon and explore a process for asking varied and interesting questions.
- This activity takes us through a "curiosity crash course," beginning with asking questions from observations, then using a question generator to ask more varied questions.



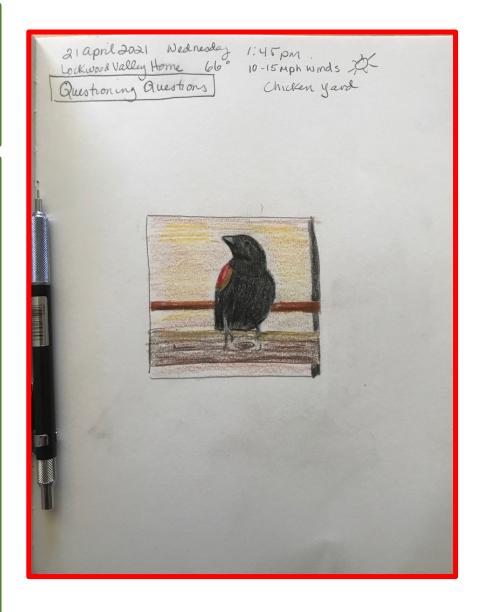


Questioning Questions Procedure Summary

- Use words, pictures and numbers to record observations, leaving space around the page.
- Use the question generator "Who, What, When, Where, How, and Why" to ask as many questions as possible and do not worry about answering them.
- Start by asking questions about the phenomenon you sketched. Then, if you get curious about something else, you can shift your attention there.

Setting up your Journal Page

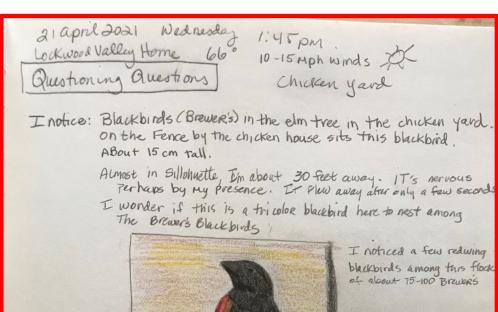
- Head your journal page with your metadata:
 - Date, day, time, season, location, temperature, wind, cloud cover.
- Find something that interests you.
- Plan your sketch or drawing in the middle of your page, leaving room around it.



ABC'S, 123's,



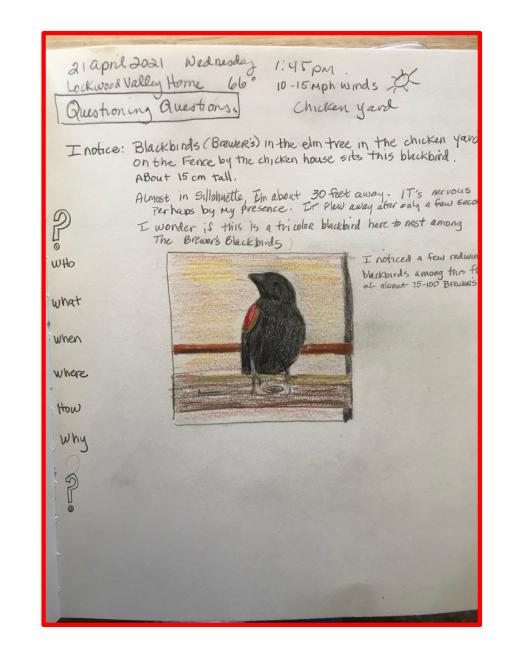
- Begin your observations and record them:
 - ABC's
 - I notice..., I wonder..., This reminds me of...
 - 123's
 - Measurements and metrics
 - Sketch, drawing or diagram
 - Do this in the middle of your journal page.





Ask Questions

- There are different tools to help generate questions.
- "Who, What, Where, When, How, and Why" is a question generator that can help us come up with lots of questions.
- Write "Who What Where When How Why" down the side of your page.
- Use these words to help you ask more varied and interesting questions.



What does each word mean?

- WHO AND WHAT questions can focus us on identifying things and describing a process.
- Use these words to ask questions to determine the kind of species or process we see.

- "Who left these tracks?"
- "What happened here?"

What does each word mean?

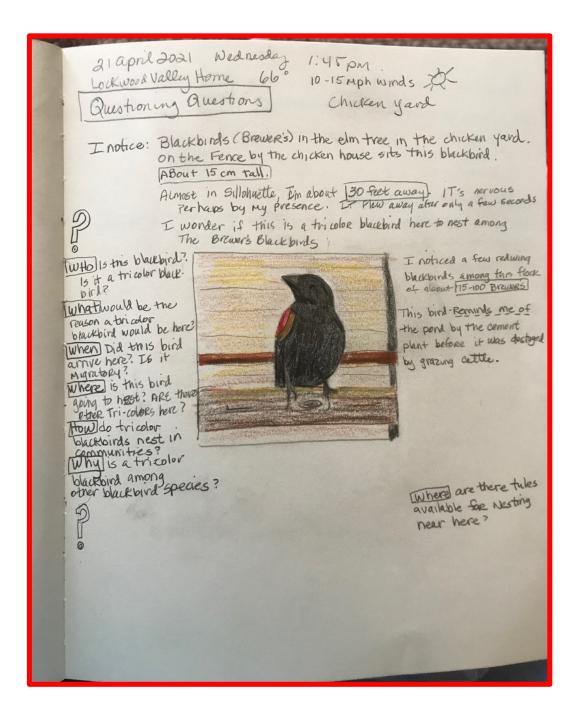
- WHEN AND WHERE questions get us thinking about space, location, and timing.
 - When things have happened or will happen,
 - Where things have happened or will happen,
 - or the significance of where things are in relation to one another.
 - "When did this sapling sprout?"
 - "Where did this seed come from?"

What does each word mean?

- HOW AND WHY questions focus on figuring out how things work or looking at cause and effect.
 - "Why are there holes on only one side of the leaf?"
 - "How do the spikes on the leaf help it survive?"

USE THE QUESTION GENERATOR

- Try to come up with as many questions as possible.
- Start by asking questions about the subject you sketched. You can always shift your attention if your interest changes.
- If you are stuck and feel as though you can't come up with any more questions, you can just say "I wonder..." to yourself and see what pops out.





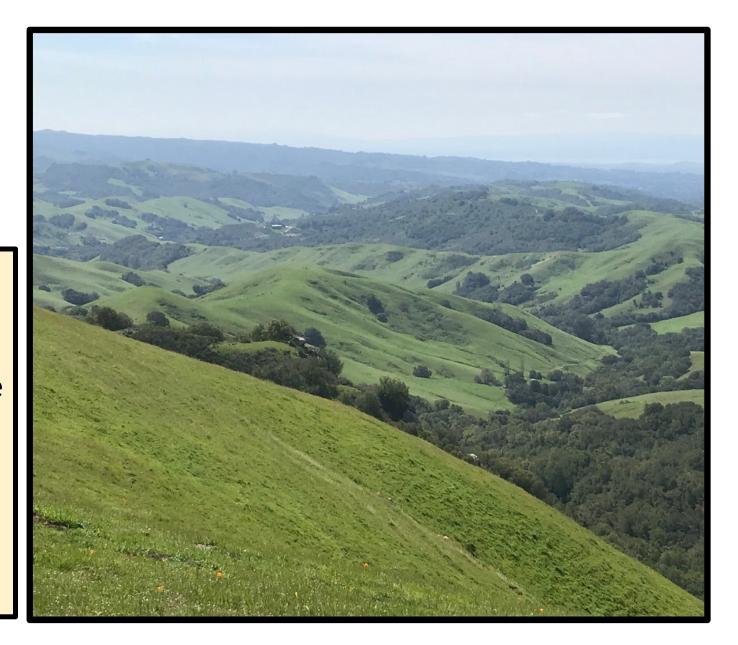
The Goal is to ask Questions

- You don't need to be rigid with the words that start your questions.
- Don't worry about the first word of the question, the goal is to get the questions out there AND to have a variety of questions that focus on different ideas.
- Don't try to answer all the questions at the moment. Your goal is simply to be curious and get the questions out there.

Remember the

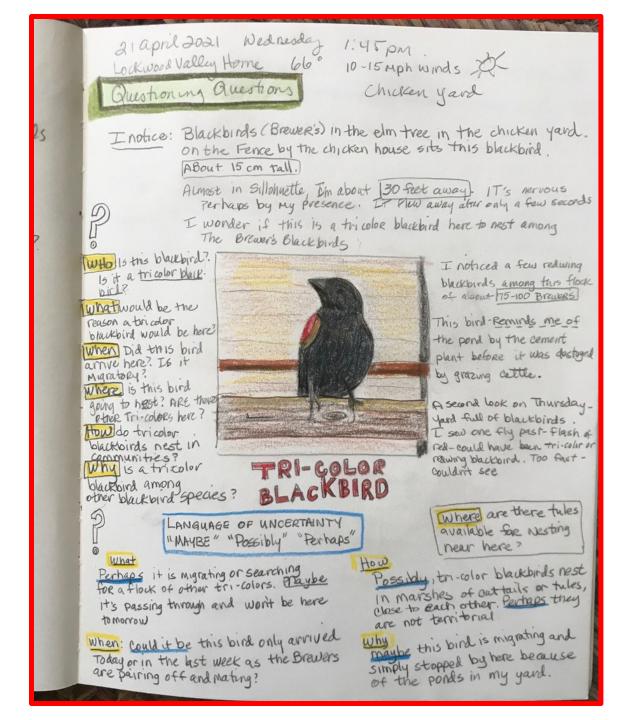
Language of Uncertainty?

- Come up with some possible explanations for your questions.
- Use the LANGUAGE OF UNCERTAINTY when considering the possible answers:
 - Maybe
 - Possibly
 - Perhaps
 - Could it be...



Explanations

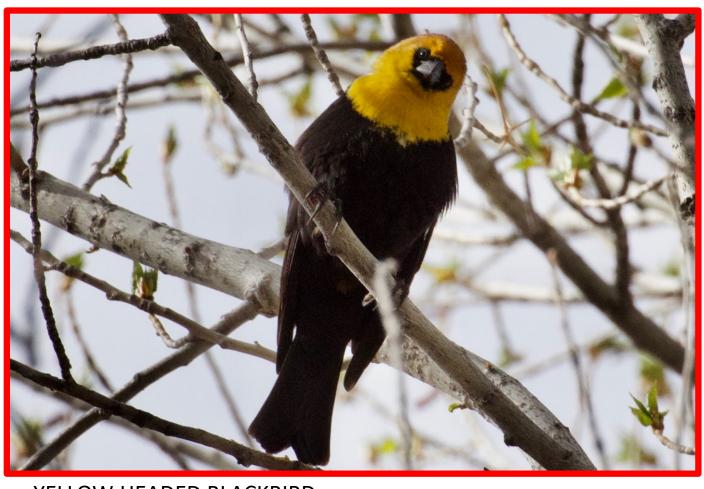
- Include several explanations for each of your questions.
- You can draw lines from the question to your answers, or label the answers with "Who, What, Where, When, How, Why."



BYE FOR NOW. THANKS FOR JOINING ME







YELLOW-HEADED BLACKBIRD