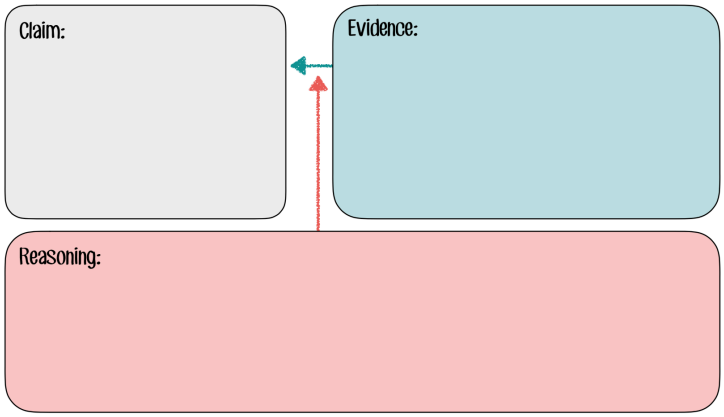
Freebie Info!

Writing arguments is a central part of the NGSS! A common structure for argumentation is C-E-R: Claim, Evidence, Reasoning. This freebie includes multiple graphic organizers that you can use to scaffold this process for your students.

A vlog explaining how I scaffold the introduction of the C-E-R structure can be found here.

The arrows in the organizers help to visualize the idea of each section:



The green arrow from the "Evidence" to "Claim" box shows that the evidence directly supports the claim.

The red arrow from the "Reasoning" section that points to the green arrow shows that the reasoning is the explanation that connects the evidence to the claim. Reasoning explains HOW the evidence supports your claim.

Page 3: Pre-writing Template
If you want your students to do a little more processing before they start to write their arguments, you can have them answer the questions on this template.

Page 4: C-E-R - 1 piece of evidence with prompts
This page will help students organize their ideas before writing into paragraph form. Page 4 gives space for one piece of evidence and one reasoning justification. It includes prompts for each section.

Page 5: C-E-R - 1 piece of evidence without prompts
Same as Page 4, but without the prompts inside of each box!

Page 6: C-E-R - 2 pieces of evidence
This allows students to brainstorm two pieces of evidence and write two reasoning sections to explain how the evidence supports the claim. Even if you only want students to include one piece of evidence in their final argument, they could brainstorm two different ones here and then decide which is stronger.

Page 7: C-E-R - 3 pieces of evidence
Includes sections for 3 pieces of evidence and 3 reasoning sections. Suited for more complex arguments or older students.

Pages 8 - 11: Write the argument in paragraph form
This section allows students to take the information they brainstormed in their graphic organizers and write their argument in two different paragraph forms. If students only need to include one piece of evidence, stop after page 8! If they need more pieces of evidence (a C-E-R-E-R-E-R structure?) continue on to page 9.

Want to take it a step further? Have your students prepare counter arguments based on what evidence could support another claim!

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C-E-R Claim Evidence Reasoning

Name: _____

Date: _____

Question:

Pre-Writing:

What are some possible answers to the question?

What evidence do you already have to answer this question? Where can you look for additional evidence?

What science words and concepts will you include in your explanation?

Claim - Evidence - Reasoning

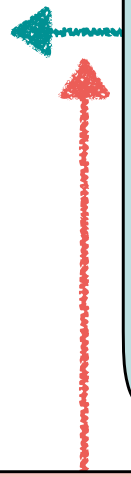
Name: _____

Date: _____

Question:

Claim: Your answer to the question

Evidence: Data from investigations or research



Reasoning: Explain how the evidence supports your claim.

Claim - Evidence - Reasoning

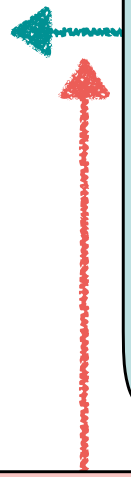
Name: _____

Date: _____

Question:

Claim:

Evidence:



Reasoning:

Claim - Evidence - Reasoning

Name: _____

Date: _____

Question:

Claim:

Evidence:

Reasoning:

Evidence:

Reasoning:

Claim - Evidence - Reasoning

Name: _____

Date: _____

Question:

Claim:

Evidence:

Reasoning:

Evidence:

Reasoning:

Evidence:

Reasoning:

Claim - Evidence - Reasoning

Name: _____

Date: _____

Question:

Claim Write a statement that answers the question.	
Evidence Provide scientific data from investigations or research to support your claim.	
Reasoning Explain how the evidence supports the claim. Why is your evidence important?	

Evidence #2	
Reasoning #2	
Evidence #3	
Reasoning #3	
Summary	

Claim Evidence Reasoning

Name: _____

Date: _____

Question:

Write a final C-E-R argument by organizing the information from your graphic organizer into paragraph form.

1. **CLAIM:** Write a sentence that answers the question.
2. **Evidence-Reasoning**:
   - **EVIDENCE**: Restate a piece of evidence in your own words. Include specific data.
   - **REASONING**: Explain how the evidence supports your claim.
3. Repeat step two for each piece of evidence that you include in your argument.
4. **Conclusion Statement:** Restates and summarizes the answer to the question.