

Last name:

First name:

Reflection on inquiry-based science teaching in early childhood education

In this assignment, you will reflect on inquiry-based science teaching. To do so, you will use ChatGPT as support material. Below, you will find the script of the assignment and the steps you need to follow.

STEP #1

Reflect on the difficulties and barriers you think and feel related to the use of inquiry-based science teaching in early childhood education. Write down only your own perceptions, beliefs, and feelings, not including those of your colleagues or other teachers that you do not share. Each line should represent a single idea.

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2.

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STEP #2

Start a new conversation with ChatGPT, using Prompt #1:

Prompt #1	I am studying for a degree in Early Childhood Education. I am learning about inquiry-based science teaching in early childhood education. I would like to ask you some questions about the doubts, concerns, perceptions, and beliefs I have about this methodology.
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Wait for ChatGPT's response. Then, share your perception, belief, or feeling by using one of the following prompts:

Prompt #2 (chose one)	I believe that inquiry-based science teaching in early childhood education + [include your perception or belief here].
	I feel that inquiry-based science teaching in early childhood education + [include your perception or belief here].

Example	I believe that inquiry-based science teaching in early childhood education <i>is very difficult to implement in the classroom because of the large teacher/student ratio that exists.</i>
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Wait for ChatGPT's response and read it carefully. Reflect on the response and, finally, use the following prompt:

Prompt #3	What evidence-based advice would you give me to overcome this aspect?
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Read ChatGPT's answer carefully. If there is something you do not understand, you can ask for clarification. If your doubts persist, ask for further explanations or examples.

STEP #3

Take notes on the key ideas, best practices, and recommendations that are most relevant to you. Write below a paragraph containing: (i) the main idea related to your concern, (ii) a summary of the advice and best practices that ChatGPT gave you, and (iii) any other information that you consider important and that helped you clarify your doubt.

Avoid copying the text generated by ChatGPT directly!

Before moving on to STEP #4, repeat this process with each of the perceptions and beliefs you noted in the red box in STEP #1.

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- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.

STEP #4

After discussing with ChatGPT about your perceptions and beliefs regarding inquiry-based science teaching in early childhood education:

1. What are your conclusions about the **relevance** of inquiry-based science teaching in early childhood education?

2. What are your conclusions about the **perceived difficulty** of inquiry-based science teaching in early childhood education?

3. What would be your **emotions** and **attitudes** about having to teach science using inquiry-based methodology in early childhood education?

4. What do you think about your **ability** and **skills** to teach science using inquiry-based methodology in early childhood education?

5. To what extent do you feel dependent on **contextual factors** (e.g., availability of materials) to teach using inquiry-based methodology in early childhood education?