

Presentation in five minutes

- Stand up and present yourself to the most people you do not know yet. In a sentence tell them the reason why you attend the seminar.

Objectives and Program

Share a common vision about investigation and IBSE

- Hands-on workshop :
 - Taking part in an inquiry-based activity (“learning through inquiry”)
 - Analysis of the session in order to characterize inquiry
- Reflection on the inquiry-based science approach in teaching

Look at this picture!



- Individually write your remarks about the picture and eventually your questions.
(10 min)
- In groups: Share your previous reflections and determine one or two productive questions.
(10 min)
- Collective interaction *(10 min)*



1



Answer the question

- Write the protocol of the experiment you want to implement.
- You can use the material provided or not.
- Implement your experiment (*40 min*)
- Report the outcomes of your work to the other groups. (*5 min per group*)
- Validation and conclusion (*10 min*) *F*

Towards an inquiry based science education (IBSE)

Share a common vision about investigation and IBSE based on :

- The different moments lived during the session,
- The trainer's and participants' roles,
- The professional experience of each participants.

In other words,

Do the situation lived present the characteristics of an investigation? If yes, describe them?

What would you add in order to characterize IBSE? *(15 min)*

Collective debate *(15 min)*

Guiding points during the collective debate

- What was the starting point?
- What type of work and organisation during the workshop?
- Find the different stages to answer to the question.
- Was it an investigation?
- What problems did you encounter?
- Characterize the role of the trainer and the role of the participants.

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- 1 - Is there alternation day/night on the Moon (if yes, in how much time)?
- 2 - Do we see phases of the Earth?
- 3 - Do we see the Earth turning on itself?
- 4 - Do we see the Earth moving in the sky?