Physics as a Natural Science

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Scientific Method

- Make groups of five.
- Answer your group questions based on the information at Section 1.2 Scientific knowledge in the cource book, and this web site.
- Prepare PowerPoint presentations today and on Friday, and return the work to a specific folder in our web pages.

Figure: "*The International Baccalaureate Organization aims to develop inquiring, knowledgeable and caring young people who help to create a better and more peaceful world through intercultural understanding and respect*"

Scientific Method

Group 1

- What is science? How science is different from other human activities such as art and poetry? Any similarities?
- How would you describe evidence in science? Give a practical example.

Scientific Method

Group 2

- List the characteristics of science. Give a practical example of the each principle, different from the ones you have in the text.
- What does it mean when we say that science is reliable, accurate, and valid?

Scientific Method

Group 3

- Why do we need different sciences? Can everything be described in terms of physics?
- What does a model mean in science? Give examples of a model in biology, chemistry and physics.

Scientific Method

Group 4

- Where do we need physics? How would you characterise physical knowledge?
- Is there such a thing as the scientific method?

Scientific Method

Group 5

- What do we need science for? What do we need arts for?
- Do personal factors affect scientific results? Should they?