Work Groups 6-8

International High School Teacher Programme 2018
Topics
Topics

WG1 S’Cool LAB1
WG2 S’Cool LAB2
WG3 Medical Applications
WG4 IPPOG
WG5 OpenData
**WG6** Particle Accelerators
**WG7** Particle Detectors
**WG8** Exotic Physics

Guiding research questions about the WG topic

A) To what extent is the topic featured in your curriculum?
B) Which students conceptions about the topic do you know?
C) What is your experience with teaching the topic in your classroom?
D) Which words and phrases can cause difficulties and misunderstandings?
E) Which aspects of the topic do you consider challenging to teach to students?
F) Which aspects of the topic do you think can be appropriately introduced in the classroom?

Guidelines for the final report & summary paper

1) Curriculum & classroom connections
   Highlight potential connections to the various curriculums and your individual teaching practices

2) Key ideas
   Showcase the most important aspects of the topic that you consider to be key for a meaningful instruction

3) Potential student conceptions & challenges
   Illustrate elements of the topic that might obstruct a successful introduction in the classroom

4) Helpful material and resources
   Reference any material that you find useful for your students and/or your colleagues

5) Best practice examples
   Summarise your findings through brief outlines of 2-3 instructional strategies
Process
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Output
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5) Best practice examples
Summarise your findings through brief outlines of 2-3 instructional strategies
Output
Work group title (Arial 14pt, bold, left aligned)

Author One¹, Author Two², Author Three³, Author Four⁴, Author Five⁵, Author Six⁶

Curriculum & classroom connections

Highlight potential connections to the various curriculums and your individual teaching practices

Key ideas

Showcase the most important aspects of the topic that you consider to be key for a meaningful instruction/body text, Arial 10pt, justified

Potential student conceptions & challenges

Illustrate elements of the topic that might obstruct a successful introduction in the classroom/body text, Arial 10pt, justified

Helpful material and resources

Reference any material that you find useful for your students and/or your colleagues/body text, Arial 10pt, justified

Best practice examples

Summarise your findings through brief outlines of 2-3 instructional strategies/body text, Arial 10pt, justified
Questions?

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