

# 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**

# Process

# Process

## **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?

# Output

# Output

## **Guidelines for the final report & summary paper**

### **1) Curriculum & classroom connections**

*Highlight potential connections to the various curriculums and your individual teaching practises*

### **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*

# Output



# Output

(leave six 14pt lines here)

## Work group title (Arial 14pt, bold, left aligned) (leave one 14 pt blank line here)

Author One<sup>1</sup>, Author Two<sup>2</sup>, Author Three<sup>3</sup>, Author Four<sup>4</sup>, Author Five<sup>5</sup>, Author Six<sup>6</sup> (Arial 10pt, left aligned)

<sup>1</sup> Name of School, City, Country, author.one@email.com (Arial 8pt, left aligned)  
<sup>2</sup> Name of School, City, Country, author.two@email.com (Arial 8pt, left aligned)  
<sup>3</sup> Name of School, City, Country, author.three@email.com (Arial 8pt, left aligned)  
<sup>4</sup> Name of School, City, Country, author.four@email.com (Arial 8pt, left aligned)  
<sup>5</sup> Name of School, City, Country, author.five@email.com (Arial 8pt, left aligned)  
<sup>6</sup> Name of School, City, Country, author.six@email.com (Arial 8pt, left aligned)  
(leave four 8pt blank lines here)

## Curriculum & classroom connections (Heading, Arial 10pt, bold, left aligned) (leave one 10pt blank line here) Highlight potential connections to the various curriculums and your individual teaching practises (Body text, Arial 10pt, justified) (leave two 10pt blank lines here)

## Key ideas (Heading, Arial 10pt, bold, left aligned) (leave one 10pt blank line here) Showcase the most important aspects of the topic that you consider to be key for a meaningful instruction (Body text, Arial 10pt, justified) (leave two 10pt blank lines here)

## Potential student conceptions & challenges (Heading, Arial 10pt, bold, left aligned) (leave one 10pt blank line here) Illustrate elements of the topic that might obstruct a successful introduction in the classroom (Body text, Arial 10pt, justified) (leave two 10pt blank lines here)

## Helpful material and resources (Heading, Arial 10pt, bold, left aligned) (leave one 10pt blank line here) Reference any material that you find useful for your students and/or your colleagues (Body text, Arial 10pt, justified) (leave two 10pt blank lines here)

## Best practice examples (Heading, Arial 10pt, bold, left aligned) (leave one 10pt blank line here) Summarise your findings through brief outlines of 2-3 instructional strategies (Body text, Arial 10pt, justified)

# Questions?

[jeff.wiener@cern.ch](mailto:jeff.wiener@cern.ch)