

# Programme Objectives

Spanish Teacher Programme 2023



# Why do we do all this?



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To bring modern science into the classroom!



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To bring modern science into the classroom!

👉 scientific awareness 👈

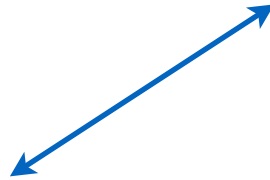


# Classical Approach

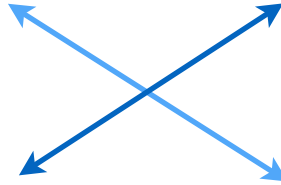




# CERN's Approach

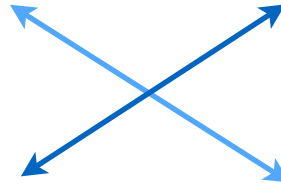


# CERN's Approach

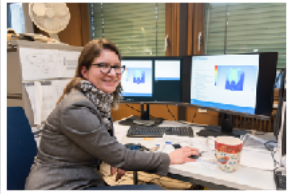




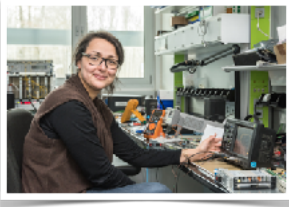
# CERN's Approach



# We need you!



teachers



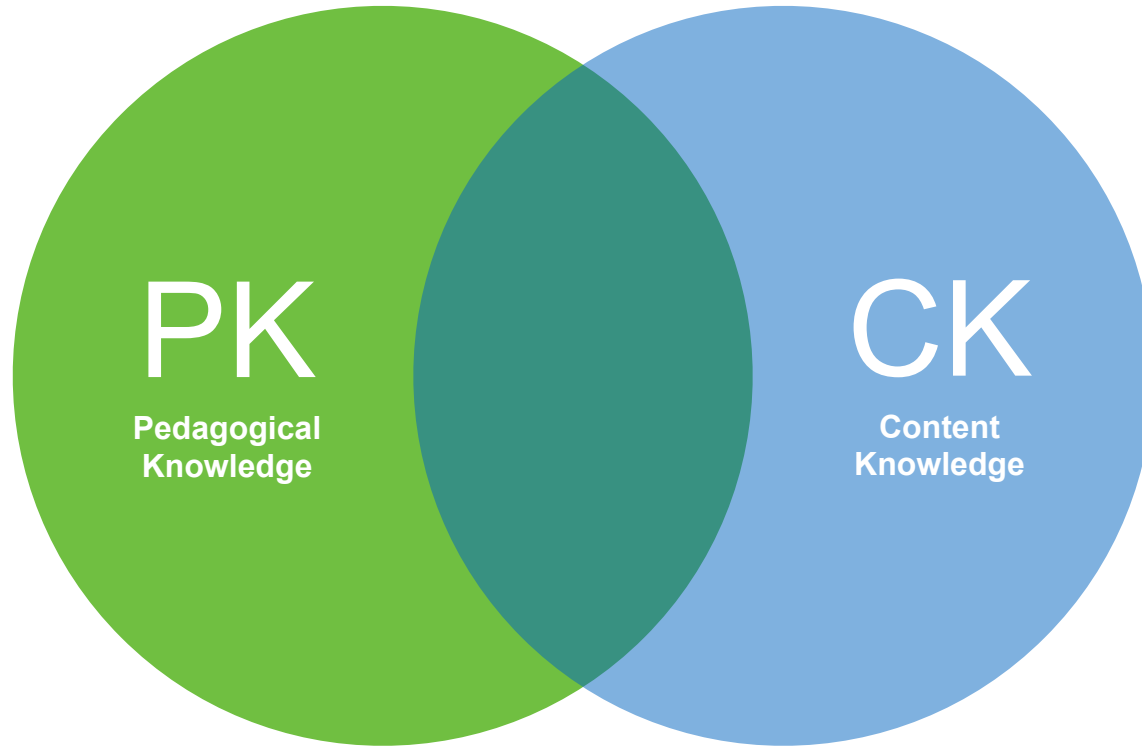
# Teacher Knowledge

# Teacher Knowledge

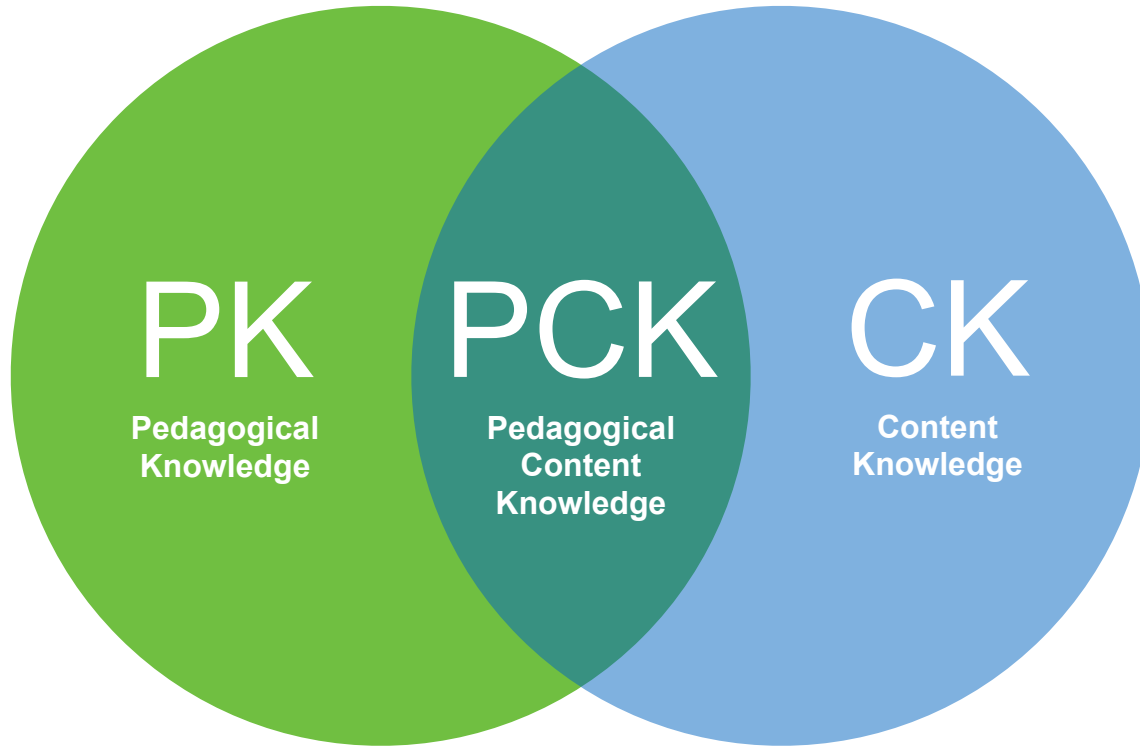
PK

Pedagogical  
Knowledge

# Teacher Knowledge



# Teacher Knowledge



# CERN's Teacher Programmes

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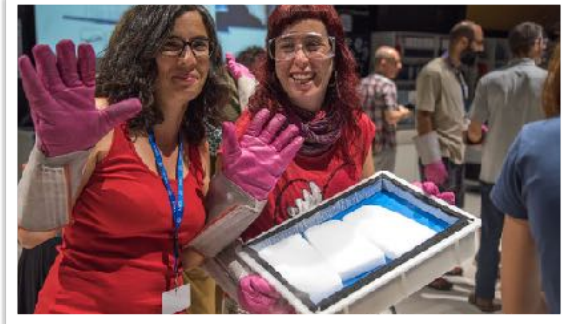




# CERN's Teacher Programmes



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National Teacher Programmes in native language | 4-6 days

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National Teacher Programmes in native language | 4-6 days

International Teacher Programmes in English | 2 weeks



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International Teacher Programmes in English | 2 weeks



# CERN's Teacher Programmes

## Teacher Programme Participants 1998-2022 (Total: 13 871)



### Member States 11 056

Austria 300 – Belgium 149 – Bulgaria 821  
Czech Republic 171 – Denmark 348 – Finland 550  
France 465 – Germany 1142 – Greece 952  
Hungary 561 – Israel 56 – Italy 1139  
Netherlands 227 – Norway 158 – Poland 588  
Portugal 495 – Romania 20 – Serbia 84  
Slovakia 307 – Spain 705 – Sweden 311  
Switzerland 135 – United Kingdom 1372

### Associate Member States in the pre-stage to Membership 165

Cyprus 16 – Estonia 105 – Slovenia 24

### Associate Member States 889

Croatia 114 – India 15 – Latvia 76 – Lithuania 64  
Pakistan 9 – Türkiye 403 – Ukraine 208

### Observers 579

Japan 12 – Russia (suspended) 431  
United States of America 136

### Non-Member States and Territories 1182

Algeria 11 – Angola 11 – Argentina 3 – Armenia 3 – Australia 14 – Azerbaijan 2 – Bahrain 3 – Bangladesh 1 – Belarus 11  
Bosnia & Herzegovina 36 – Brazil 273 – Burundi 2 – Cameroon 11 – Canada 20 – Cape Verde 5 – Chile 4 – Colombia 8  
Costa Rica 4 – Dominican Republic 73 – Ecuador 2 – Egypt 3 – Eswatini 1 – Georgia 194 – Ghana 7 – Guinea Bissau 2  
Indonesia 3 – Iran 15 – Ireland 10 – Jordan 13 – Kazakhstan 14 – Kenya 4 – Kuwait 1 – Kyrgyzstan 1 – Lebanon 21  
Madagascar 2 – Malaysia 3 – Malta 51 – Mexico 113 – Moldova 4 – Mongolia 1 – Montenegro 17 – Morocco 2  
Mozambique 24 – Nepal 6 – New Zealand 5 – Nigeria 2 – North Macedonia 13 – Palestinian Territories 5  
People's Republic of China 3 – Philippines 2 – Qatar 1 – Republic of Korea 49 – Rwanda 20 – Sao Tome 8  
Saudi Arabia 1 – Singapore 2 – South Africa 9 – Sri Lanka 3 – Taiwan 1 – Tajikistan 1 – Tanzania 1 – Thailand 23  
Timor-Leste 10 – Uganda 3 – United Arab Emirates 1 – Uruguay 3 – Venezuela 1 – Vietnam 2 – Zimbabwe 1



# Outcome and To-Do-List

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- Share your experience with your students, your colleagues, and the general public.



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- Act as ambassador for science/engineering and in particular for particle physics.



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- Share your experience with your students, your colleagues, and the general public.
- Act as ambassador for science/engineering and in particular for particle physics.
- Organise follow-up activities.



# Merci bien!

## Questions?

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