

E-SOC Lesson Plan

Women in CERN

Learning Objectives: To develop an understanding that women and girls can make significant contributions to the world of STEAM.
(SMART)

Learning outcomes: By concluding this session/class participants will have:

**(Use Bloom's
taxonomy**

action verbs)

Knowledge:

to report CERN's interest on gender equality, to relate gender equality and the free choice of women to work in STEAM areas with the scientific progress in general, to relate gender equality to other forms of equal opportunities (equality related to the nationality for example)

Skills:

to elaborate the meaning of a statement and analyse several aspects of it

Attitudes:

to relate the equal opportunities not only to the personal well-being and fairness but also to the progress of the humanity in general

Target group:

Secondary School Teachers
School students (choose from 12-15)
Integrated Science - Physics

| Activity Title & number | Short description of the activity | Resources needed | Time 2hs in total |
|--|---|---|----------------------|
| <p>Lead In:</p> <p>1. Introduce information</p> | <p>15 minutes are given to the participants in order to study some material from the official site of CERN.</p> <p>i. Read the article “Take part in CERN’s Women in Technology 2022 Mentoring programme here: https://home.cern/news/news/cern/take-part-cerns-women-technology-2022-mentoring-programme</p> <p>ii. Read about the “Diversity and Inclusion Programme of CERN” here: https://diversity-and-inclusion.web.cern.ch/</p> | <p>Computers, Internet connection</p> | <p>15’</p> |
| <p>2. Reading the statements and forming the groups</p> | <p>In the second page there are three statements:</p> <p>A) <i>Diversity is an asset of humanity, it’s our richness, and we have to use it in the best possible way.</i></p> <p>– Fabiola Gianotti, Director-General</p> <p>B) <i>Today, many women can finally choose how to live their lives, yet we must remain vigilant in our collective efforts on the continued path toward equal opportunities, diversity and inclusion.</i></p> <p>- Ursula Bassler, Former President of the CERN Council</p> <p>C) <i>When we experience the collaboration and inclusion of people from diverse backgrounds we experience Creativity, which is key not only to human progress in general, but to scientific progress in particular.</i></p> <p>– Barbro Åsman, Chair CERN Tripartite Employment Conditions Forum (“TREF”)</p> <p>The participants will form three groups and each group will receive one of the statements (printed on a paper)</p> | <p>Papers with the printed statements</p> | <p>15’</p> |

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|---|---|----------------------------|------------|
| <p>3. Preparation</p> | <p>Each group has to discuss about the meaning of each statement and must prepare a short presentation with comments.</p> | <p>Computers or paper!</p> | <p>20'</p> |
| <p>4. Presentations-Evaluation</p> | <p>Presentations – Discussion in the whole team!</p> | | <p>40'</p> |

Annexes:

(A)

Diversity is an asset of humanity, it's our richness, and we have to use it in the best possible way.

– Fabiola Gianotti, Director-General

(B)

Today, many women can finally choose how to live their lives, yet we must remain vigilant in our collective efforts on the continued path toward equal opportunities, diversity and inclusion.

- Ursula Bassler, Former President of the CERN Council

(C)

When we experience the collaboration and inclusion of people from diverse backgrounds we experience Creativity, which is key not only to human progress in general, but to scientific progress in particular.

– Barbro Åsman, Chair CERN Tripartite Employment Conditions Forum (“TREF”)



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