

# POST QUESTIONNAIRES FOR 10-14-YEAR- OLD TEENS PARTICIPATING IN STEM ACTIVITIES

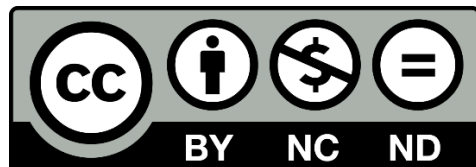
## POST QUESTIONNAIRES FOR 10-14-YEAR-OLD TEENS PARTICIPATING IN STEM ACTIVITIES DESIGNED AND USED BY FUNDACJA UNIwersYTET DZIECI



Co-funded by the  
Erasmus+ Programme  
of the European Union

*The STEAM4U project has been supported by the Erasmus+ programme of the European Union (Project reference 2016-1-ES01-KA201-025633).*

*However, the European Commission support for the production of this publication does not constitute an endorsement of the contents which reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.*



“Post questionnaires for 10-14-year-old teens participating in stem activities designed and used by Fundacja Uniwersytet Dzieci” is part of the “Toolkit for assessing the promotion of self-efficacy. Part 2, STEAM4U concrete tools”, and has been edited by CRECIM – Centre for Research in Science and Mathematics Education.

It is distributed by a Creative Commons license  
Attribution - Non Commercial - No Derivatives 4.0 International  
<https://creativecommons.org/licenses/by-nc-nd/4.0/>

Recommended Citation:

CRECIM (Eds.). (2018). *Toolkit for assessing the promotion of self-efficacy. Part 2, STEAM4U concrete tools*

## POST-QUESTIONNAIRE

### QUESTIONNAIRE GUIDELINES

Please complete the questionnaire – your answers will allow us to collect your feelings after today's workshop at the Children's University. In questions, mark your answer on the scale or mark the appropriate picture. Answers will be encoded and will not be used anywhere else. Thank you for completing the survey!





### PARTICIPANT IDENTIFICATION

Birth date: \_\_\_\_\_

Gender:  Female  Male

### INITIATIVE MONITORING

1. Rate the extent you have found the following characteristics during workshops

|                                                                 | Not at all<br> | A little<br> | A good amount<br> | A lot<br> |
|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| Meet other kids                                                 |                                                                                                   |                                                                                                 |                                                                                                        |                                                                                                |
| Use materials and tools that I do not have at school or at home |                                                                                                   |                                                                                                 |                                                                                                        |                                                                                                |
| Have fun                                                        |                                                                                                   |                                                                                                 |                                                                                                        |                                                                                                |
| Create new things                                               |                                                                                                   |                                                                                                 |                                                                                                        |                                                                                                |
| Know how things work                                            |                                                                                                   |                                                                                                 |                                                                                                        |                                                                                                |
| Others                                                          |                                                                                                   |                                                                                                 |                                                                                                        |                                                                                                |



**2. How interesting were the workshops for you?**



not interesting



on average



interesting



very interesting

**3. What was the best thing for you during workshops?**

---







---



---

**ASSESSMENT OF SELF-EFFICACY IN STEAM**

**4. Please, answer the following questions – mark the best option.**

|                                                                                                           | Not confident<br>at all<br> | Fairly<br>confident<br> | Confident<br> | Very<br>confident<br> |
|-----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| How confident are you that you are able to <b>do tasks and carry out investigations during workshops?</b> |                                                                                                                |                                                                                                            |                                                                                                    |                                                                                                            |
| How confident are you that you are able to <b>search solutions for a problem?</b>                         |                                                                                                                |                                                                                                            |                                                                                                    |                                                                                                            |
| How confident are you that you are able to <b>cooperate with others?</b>                                  |                                                                                                                |                                                                                                            |                                                                                                    |                                                                                                            |
| How confident are you that you are able to <b>present effects of your work, results, conclusions?</b>     |                                                                                                                |                                                                                                            |                                                                                                    |                                                                                                            |



**5. Think about your science, technology and mathematics subjects at school.  
How will you grade your capacities of each subjects now?**

|             | Bad<br> | Average<br> | Good<br> | Very good<br> |
|-------------|------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| Biology     |                                                                                          |                                                                                              |                                                                                             |                                                                                                  |
| Physics     |                                                                                          |                                                                                              |                                                                                             |                                                                                                  |
| Chemistry   |                                                                                          |                                                                                              |                                                                                             |                                                                                                  |
| Informatics |                                                                                          |                                                                                              |                                                                                             |                                                                                                  |
| Mathematics |                                                                                          |                                                                                              |                                                                                             |                                                                                                  |
| Other _____ |                                                                                          |                                                                                              |                                                                                             |                                                                                                  |




**6. Overall, and after participating in the workshop, do you feel now more capable of doing science activities?**

- a. Yes, I feel I am more capable of doing science activities
- b. Yes, I feel I am only a little more capable of doing science activities
- c. No, I feel I am as capable as before of doing science activities

**7. In case you have answered YES in the previous question, Is there anything that made you change your opinions about your capacities while doing science, technology and/or mathematics activities after participating in block of workshop?**

- Knowing a real scientist
- Doing science in a different way than in the school
- Knowing how science can be useful for my everyday life
- The way the scientist addressed to me made me feel I could do science
- Doing science with my friends
- The way the scientists helped me when I faced difficulties in the workshop
- Made me feel I could do science
- Having the opportunity to create new things
- Others (please, specify): \_\_\_\_\_

**8. Select your level of agreement for each statement (mark your answer)**

|                                                                        | Disagree<br> | Undecided<br> | Agree<br> |
|------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| I think now that scientists can make a lot of money                    |                                                                                               |                                                                                                  |                                                                                              |
| I think now that scientists have exciting jobs                         |                                                                                               |                                                                                                  |                                                                                              |
| I think now that scientists are brainy                                 |                                                                                               |                                                                                                  |                                                                                              |
| I think that scientists spend most of their time working by themselves |                                                                                               |                                                                                                  |                                                                                              |

**9. Was there anything in workshops that gave you this image/idea of scientists?**

---



---

**Thank you for filling this questionnaire!** Below you can share your opinion about this questionnaire

---



---



---

