

QUESTIONNAIRE FOR PARENTS

Project N 07_ECVII_PA07, RONNI

„Increasing the well being of the population by Robotic and ICT based innovative education”

www.ir.bas.bg/RONNI

Dear Parents,

We would be grateful for your time if you take it to share your opinion with us!

The Questionnaire is strictly anonymous and it will not take you long to fill it in. Please, feel free to share with us anything you consider important but has not been asked in a question here.

Thank you in advance!

The Project team

PART 1 – General questions

1. How old are you?

- 25 years old or younger
- 26-30 years old
- 31-40 years old
- 41-50 years old
- 51 years old or elder

2. What is your gender?

- Male
- Female

3. I have previous education in robotics and/or information technologies?

1: strongly disagree - 5: strongly agree



PART 2– Role of Robotics and Information Technologies (R&IT) in cognitive development

The purpose of this part is to see how you perceive the possibility for bigger involvement of robots and information technologies in developing children's cognitive skills.

1. R&IT can support visual orientation and mobility skills.

1: strongly disagree - 5: strongly agree

2. R&IT can support teaching/learning of mathematical thinking and problem solving.

1: strongly disagree - 5: strongly agree

3. R&IT can support teaching/learning logical operations and solving simple logic problems.

1: strongly disagree - 5: strongly agree

4. R&IT can support teaching/learning processes in children with special learning needs.

1: strongly disagree - 5: strongly agree

5. R&IT can support teaching/learning classification skills.

1: strongly disagree - 5: strongly agree

6. R&IT can support progress on self-management (autonomy, competence, relationships).

1: strongly disagree - 5: strongly agree

7. R&IT can support teaching/learning to focus attention.

1: strongly disagree - 5: strongly agree

8. R&IT are rather distractors than helpful tools in teaching cognitive skills to children.

1: strongly disagree - 5: strongly agree

9. R&IT can support teaching/learning how to plan and organize activities.

1: strongly disagree - 5: strongly agree

10. R&IT can support memorizing the learning material.

1: strongly disagree - 5: strongly agree

11. What kind of robots would you prefer to teach cognitive skills to children?

Humanoid robots (tries to mimic basic human forms and functions)

Android robots (designed to look completely like humans)

Abstract robots (all other kinds)

PART 3 – Role of R&IT in social development of children

The purpose of this part of the questionnaire is to see how you perceive the possibility for bigger involvement of robots and information technologies in teaching children social abilities.

1. Robots and information technologies can support teaching/learning conversation skills.

1: strongly disagree - 5: strongly agree

2. R&IT can support cooperative play.

1: strongly disagree - 5: strongly agree

3. R&IT can support teaching/learning how to manage friendships (initiate and maintain).

1: strongly disagree - 5: strongly agree

4. R&IT can support developing empathy and improving emotional intelligence in children.

1: strongly disagree - 5: strongly agree

5. R&IT can support learning how to self-regulate personal behavior.

1: strongly disagree - 5: strongly agree

6. R&IT can support teaching/learning how to solve conflicts successfully.

1: strongly disagree - 5: strongly agree

7. Robots can serve as teachers' assistants in teaching social skills to children with disabilities.

1: strongly disagree - 5: strongly agree

8. R&IT are rather distractors than helpful tools in teaching social skills to children.

1: strongly disagree - 5: strongly agree

9. R&IT can support learning how to manage several tasks simultaneously.

1: strongly disagree - 5: strongly agree

10. R&IT can support progress on self-management (autonomy, competence, relationships)

1: strongly disagree - 5: strongly agree

11. What kind of robots would you prefer to teach cognitive skills to children?

Humanoid robots (tries to mimic basic human forms and functions)

Android robots (designed to look completely like humans)

Abstract robots (all other kinds)

PART4: Policies

1. **It is useful to engage students (as well as older and more experienced pupils) in teaching robotics.**
1: strongly disagree - 5: strongly agree
2. **Robotics should be a mandatory course at school.**
1: strongly disagree - 5: strongly agree
3. **Programming courses will benefit by using a robot in the teaching process.**
1: strongly disagree - 5: strongly agree
4. **It is useful to spend child's spare time for acquiring knowledge in R&IT.**
1: strongly disagree - 5: strongly agree
5. **How many school hours weekly do you consider optimal for R&IT teaching?**
0, 1, 2, more than 2
6. **What is the most appropriate age to begin R&IT education?**
Less than 8 years old, 8-9, 10-11, 12-13, more than 13
7. **I am willing to support financially my child's education in R&IT.**
1: strongly disagree - 5: strongly agree
8. **What do you consider a priority in R&IT education?**
Please, choose one: 1. education in robotics, 2. robotic assistive learning, 3. both, 4. neither
9. **I would personally support my child's taking part in R&IT competitions.**
1: strongly disagree - 5: strongly agree
10. **I would take my child to attend robotics workshop/s.**
1: strongly disagree - 5: strongly agree
11. **Please rate your knowledge in R&IT topics.**
1: very low - 5: very high