

Innovation Laboratories in the Development of Competences
of Special Pedagogy Teachers and People with Special Educational Needs

project number: 2014-1-PL01-KA202-003428

SCENARIO

Basic information	
Institution	The Maria Grzegorzewska University, Warsaw, Poland
Date	03.2017
Target group	<p>Students of Rehabilitation of people with multiple disability in the field of Special pedagogy</p> <p>Subject: Research specialization project.</p> <p>Students acquire the competence to work with people with multiple disability in different age, including children, adolescents and adults. After graduation students can work in the following places: rehabilitation and education centres, occupational therapy workshops, social welfare institutions, community self-help homes.</p> <p>The studies provide knowledge and skills in the field of educational and therapeutic interventions, individual choice of therapy methods, preparing individual educational and therapeutic programs as well as conducting a functional diagnosis and diagnosis of the needs of the family of a person with a multiple disability as well as doing research in these areas.</p>
Number of participants	6 -11
How is the target group related to the people with special educational needs / with disabilities?	<p>After graduation students will work with people with multiple disability of different ages and with the different range and type of disability, and thus in different educational, therapeutic and care institutions.</p> <p>It requires the knowledge of the forms and methods of education and therapy of people with special needs, as well as the ability to examine and recognize the needs of those people and the environment in which they are functioning.</p>
Short justification why such a group will use the scenario and what benefits we expect to achieve by using i-Lab.	<p>Realization of the subject "Research specialization project" in the i-Lab space will enable students to create in the future a safe environment for cooperation in the group. This is very important in the work of therapeutic teams which, due to a huge diversity of needs and capabilities of the person with a multiple disability, have to be able to communicate and cooperate. Only a well functioning therapeutic team will provide support to people with disabilities.</p>

A brief presentation of i-Lab

What is i-Lab?	<p>The i-Lab is a method that reflects the synergy of the several components such as a special design of an environment, activities stimulating creativity, appropriate equipment, or the access to the computers with Virtual Brainstorming (VBS) software.</p> <p>The i-Lab takes into account:</p> <ul style="list-style-type: none"> - inspiring learning environment - this is a unique place where a group of people can meet together to explore and develop their thinking. It is characterized by an unusual design of the room and the presence of the multimedia; - technology - the laboratory is equipped with the appropriate computer software called Virtual Brainstorm (VBS); - moderating techniques - social techniques to stimulate the creativity, motivation, and group dynamics. <p>The combination of these three components encourages people to: work effectively, discover and develop thinking skills, participation in the collaborative activities, which can speed up the process of thinking and creating.</p>
Description and characteristics of i-Lab	<p>The Innovation Lab is a place where two zones are separated: the relaxation zone and the work zone. Both parts are closely linked with an easy access from one to the other. Unusual equipment in the room plays a vital role in the relation and work zone, providing stimulation and comfort for the i-Lab users. In the zone of the relaxation one can conduct a part of the workshop, dedicated to the development of creative thinking. The work zone provides possibilities for computer brainstorming. Both colors and design create a special aura and are aimed at stimulating creativity. The whole room is designed on the basis of a metaphor for further support of the thinking process.</p>
What is VBS software and why is it important?	<p>The Virtual Brainstorming (VBS) software is an example of the adaptation of the brainstorming method directed to the development of a group creative thinking to an internet application. It is an integral part of the Innovation Laboratory which technically supports the brainstorming process (collection of ideas, evaluation, summary report). The brainstorming put in the IT system provides the opportunity to organize the learning process more effectively which manifests in a more effective acquisition and idea management. This eliminates the difficulty of the traditional brainstorming. The software is accessible to visually impaired people.</p>

The scenario

Number of the scenario	PL-008
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Title of the scenario	Implementation of the research results from the realized research projects
Area of the scenario	Special pedagogy: rehabilitation of people with multiple disability, research methodology.
Description of the scenario	<p>Theoretical basis for the scenario is the methodology of pedagogical research and special pedagogy of people with multiple disability.</p> <p>Concerning all stages of research, the validity and conditions of the implementation of research results were discussed. The environmental context of benefits derived from the implementation of the results for people with multiple disability has also been indicated.</p>

Didactic process

Goals	<ol style="list-style-type: none"> 1. Shaping imagination and ingenuity. 2. Developing the ability to anticipate the effects of actions taken. 3. Developing skills of contextual analysis of the results obtained. 4. Developing communication and cooperation skills within the group.
A short description of the didactic process	<p>Introduction</p> <ol style="list-style-type: none"> 1. Presentation of the i-Lab concept and its basic assumptions. 2. Presentation of the objectives of the actions undertaken. 3. Implementation of the ice-breakers to deepen group cognition and to stimulate creative thinking. 4. Introduction to the problem of the session - discussion on the validity and determinants of implementation of the research results as well as the environmental context of benefits derived from the implementation of the results for people with multiple disability. <p>Main part</p> <ol style="list-style-type: none"> 1. Generating ideas for implementation of research results from the research projects. 2. By the use of Virtual Braintorming (VBS) software students create a base of ideas for research results implementation. 3. Presentation and discussion of ideas - students graphically present their ideas and then map them onto the magnetic board. <p>End</p> <ol style="list-style-type: none"> 1. Choosing the most interesting ways to implement the research results. 2. Session summary.
The methods	Activation methods, practical action method, talk, VBS

Functions of the didactic methods	<ol style="list-style-type: none"> 1. Multidimensional presentation of the content of the subject. 2. Creating space for creative cooperation. 3. Group integration.
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Methods and material used during the implementation of the scenario:

Icebreakers (title, short description)	<p>Balloons</p> <p>Students receive balloons, which after inflating they attach with a string (about 40 cm long) to the leg. The goal is to hunt for the balloons and to destroy them.</p> <p>Pictures to choose</p> <p>Participants choose from the given set the image they find the most attractive and the closest to their heart. After the selection, each participant presents the picture and justifies her/his choice.</p> <p>True, false</p> <p>Each participant speaks 3 sentences about herself/himself, one of which contains false information. Listeners should discover which of the given information is true and which is false.</p>
Materials (what is necessary)	paper, pens, colored pens, crayons, balloons, string, pictures, Internet access
The other techniques (title, a short description, link), recommendations	Discussion in small groups, clarifying unclear issues

Benefits for Participants

How to work individually? (short description)	<p>The selected group consists of students without disabilities. During individual tasks with the group of disabled students it is proposed to individualize actions according to the needs of students with disabilities.</p> <p>For example:</p> <p>A visually impaired student is given various subjects or photos of subjects. The students presents his suggestions about the above mentioned items. In reference to the level of visual impairment and the needs of the student, the lighting, space and contrast of the exhibited objects should be taken into account. You also need to be able to use optical tools such as magnifiers, optical rulers, optical film or TV magnifier.</p>
How to work with the group? (short description)	<p>During the realization of group tasks with students with disabilities, it is proposed to individualize tasks and environment according to their needs. It is recommended to include students who are not disabled into</p>

	cooperation with disabled students. For example, a student with a disability may dictate his or her ideas, which will be recorded by the student without disability.
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The Results

Achieved goals	<p>The session provides realization of the following goals: developing imagination and ingenuity as well as active presentation of ideas. The use of VBS allows the participants to a free, and unconstrained presentation of these ideas.</p> <p>The students work in the team which helps to develop communication skills. Presentation of the final task will check if they are able to anticipate the effects of undertaken actions .</p>
Work cards (if used)	Lack

The scenario is the result of the project:

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