Youth Activism: Empowering Students and Teachers for Environmental Citizenship

Pedro Reis
Institute of Education – University of Lisbon
Portugal
Youth Activism

• What is it?
• Potentialities
• How to promote/support?
• Obstacles/difficulties/limitations
Tasks

Citizen Science

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Citizen Science

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Relations between “Youth activism”, “Citizen Science” and “Environmental Citizenship”

Identification of “Youth activism”, “Citizen Science” and “Environmental Citizenship” elements in the article.
The seriousness of the socio-environmental issues affecting our society requires:

- A citizenry that is well informed and empowered to take appropriate actions about such issues (Gray et al. 2009)
- The introduction of action as a major aspect of scientific literacy (Hodson, 1998)
- The empowerment of students as critics and creators of knowledge, instead of knowledge consumers (Bencze and Sperling, 2012)
- The broadening of instruction in order to promote knowledge about the NoS and NoT, science inquiry skills, and socio-political activism on SSI (Hodson, 2003)
Students and Activism

- **Propose innovative solutions for problems**
- **Educate others** (exhibitions, social networks, blogs, videos, information sessions)
- **Organize lobby groups** (letters, petitions, boycotts)
- **Actions**
  - Change your own behavior (recycle, reuse, reduce, increase energy efficiency)
  - Participate in volunteer initiatives
WE ACT – Promoting Collective Activism on SSI and SEI

"We Act"

Combines 3 components

Development

Action

Research

Crosses 3 different areas

Active inquiry-based learning regarding Socio-Scientific and Socio-Environmental Issues

Art initiatives & Uses of Web 2.0 tools

Students’ participation in collective democratic problem-solving action

Comunity of practice
WE ACT – Promoting Collective Activism on SSI and SEI

“We Act” resorts to

Art initiatives
- Drama;
- Cartoons;
- Comic strips;
- Posters;
- Interactive exhibitions; etc.

Uses of Web 2.0 tools
- Production and dissemination (through social media) of:
  - Podcasts;
  - Vodcasts;
  - Discussion forums;
  - Blogs;
  - Digital animations; etc.

Mobilized towards activism and social intervention on SSI and SEI
“We Act” resorts to

Art initiatives

Drama activities and exhibitions about SSI can raise questions, elicit personal reflection and stimulate conversations between students and visitors, transforming both of them into learners and political activists

(Stegmann et al, 2007)

Uses of Web 2.0 tools

Web 2.0 tools provide students with powerful means to express their voices and visions, fostering interactive and decentralized forms of communication/intervention and a participatory model of democracy

(Nicholson, Levinson and Parry 2008)
WE ACT – Promoting Collective Activism on SSI and SEI

"We Act" Community of Practice

integrates

35 teachers from different levels of education, countries and institutions with

Common interests in SSI and Environmental Education

and a

Shared history of involvement in Ma and PhD programs on education at UL

has a

Supportive/coaching role during the entire process of actions planning and implementation

The different competences of the team are mobilized in order to support the development of the knowledge and the confidence for collective democratic problem-solving action

implements

General meetings

Coaching meetings

Classroom support

On-line meetings
Citizen Science following a Critical Approach

One ideology

- Blurring the boundaries between subjects
- Breaking down the walls of the school
- Facilitating the connection between the school learning and the communities where students live
- Developing socially responsible science curricula
- Learning about the health of the local community

Science education as a context to develop the competencies and the community involvement of students

encouraging them to be Active citizen scientists who contribute to the well being of their communities

WE ACT – Promoting Citizen Science
WE ACT – Promoting Citizen Science

Citizen Science following a Critical Approach

faces students and teachers as

**Active citizens**

- Critically committed to solving eco-socio-scientific problems affecting their Communities

- Engaged in acts of citizenship and practices of science through activism

- With the capacity to make choices rather than accept the prescriptions of others

**Combined with Youth Activism**

- Promotes a deeper comprehension of how science works

- Empowers citizens with the willingness and the higher-level abilities for participating in the global agenda of sustainable development and assuming the responsibility for future generations
“Environmental Citizenship” is defined as the responsible pro-environmental behaviour of citizens who act and participate in society as agents of change in the private and public sphere, on a local, national and global scale, through individual and collective actions, in the direction of solving contemporary environmental problems, preventing the creation of new environmental problems, achieving sustainability as well as developing a healthy relationship with nature. “Environmental Citizenship” includes the exercise of environmental rights and duties, as well as the identification of the underlying structural causes of environmental degradation and environmental problems, the development of the willingness and the competences for critical and active engagement and civic participation to address those structural causes, acting individually and collectively within democratic means, and taking into account inter- and intra-generational justice (ENEC 2018).
Thank you for your attention!

preis@ie.ul.pt


