

A photograph of two young boys sitting at a desk in a classroom. The boy in the foreground is wearing glasses and an orange sweater, resting his chin on his hand while looking at a laptop. The boy in the background is wearing a grey shirt and is also looking at the laptop. There are various items on the desk, including a laptop, cables, and papers.

Hypatia
PROJECT

LOCAL ACTION PLAN NEMO SCIENCE MUSEUM

Recommendation for long term implementation of Gender inclusion in STEM communication in the Netherlands

MAIN PARTNERS

Athena's Angels; Institute of Gender Studies Nijmegen; University of Leiden: Faculty of Social Sciences; VHTO; Jet-Net & Technet; PPG Industries; Water-schap/ Waternet; Universiteitsmuseum Utrecht; VSC – vereniging voor science centra; Gemeente Amsterdam; DMO; Ministry of Education, Culture and Science; Techniekpact; Platform Bètatechniek; Bonhoeffer College Castricum; University of Amsterdam; Bètapartners; Tech Your Future; HvA docentenopleiding; UvA outreach / wetenschapsknooppunt; MBO Raad; TechniekTalent.nu.

MAIN HYPATIA TOOLS TO BE IMPLEMENTED

The Theoretical Framework; the Toolkit; the Hub and the Youth Panel.

IN OUR MUSEUM

THEORETICAL FRAMEWORK

- ∞ Training NEMO explainers on gender-inclusive facilitation skills and how to implement the theoretical framework in our regular workshops
- ∞ The theoretical framework will be used by the Diversity & Inclusivity working group within NEMO
- ∞ Presentations of Hypatia's theoretical framework in staff meetings with NEMO personnel
- ∞ Hypatia's theoretical framework will always be taken into account in the development of new teaching material in the future

TOOLKIT

Recommended activities for museums: Wearable technology, Your role in re-search – inquiry into chemical reactions and the Gender facilitation guidelines.

- ∞ Workshop Light path (based on Hypatia toolkit activity 'Wearable Technology' and 'Inquiry: Shape & Action') is standard in the curriculum of workshops NEMO offers to school groups visiting.
- ∞ Workshop Light path will be promoted during teacher conferences in NEMO.
- ∞ Part of the Toolkit activities are used in other EU projects. For example STEMitUP about STEM and entrepreneurial Teacher training

HUBS

- ∞ Continue to collaborate with individual hub-members

YOUTH PANEL

- ∞ Keeping the format of the youth panel / editorial board as part of the museum strategy

RESEARCH AND INDUSTRY INSTITUTIONS

THEORETICAL FRAMEWORK

- ∞ Institutional guidelines will be distributed among partners
- ∞ A Maakkunde training is developed for companies
- ∞ One of the hub-members – a researcher – implemented the theoretical framework into her lectures on pedagogical sciences

TOOLKIT

Recommended Activities for research and industry institutions: Skill game, Your role in science, and the Gender facilitation guidelines.

- ∞ Activities for research and industry institutions in the toolkit are being promoted on the NEMO website
- ∞ Elements of the toolkit are implemented in the teachers' guide of the EUREKA!Cup competition, a national yearly competition for youth 12–14 years old reaching over 10.000 students each year.

HUB

- ∞ Inviting research and industry Hub-members to participate in museum activities as experts
- ∞ One of the hub members implemented the theoretical framework as part of their research and industry institutions: the C3 workshop contains 4 slides about gender inclusion based on the Hypatia Framework were included in the presentation. All participants receive the presentation with a link to the Hypatia toolkit and Gender Framework as a possible source for activities to use.

YOUTH PANEL

- ∞ A youth panel is being offered as part of new partner contracts

SCHOOLS

THEORETICAL FRAMEWORK

- ∞ Gender inclusivity will be part of the didactical theory of the teacher training of NEMO's teaching method Maakkunde

TOOLKIT

Recommended Activities for schools: Inquiry into shape and action, Play Decide and the Gender facilitation guidelines.

- ∞ School-activities are being promoted on the NEMO website

HUBS

- ∞ We will continue to collaborate with individual school hub-members

YOUTH PANEL

- ∞ Keeping the format of the youth panel / editorial board as part of the museum strategy in future interaction with schools

INFORMAL SCIENCE EDUCATION ORGANIZATIONS

THEORETICAL FRAMEWORK

- ∞ Other science centers will implement elements of the theoretical framework in their own program with students

TOOLKIT

Recommended Activities for informal science education organizations: Wearable technology, Your role in research – inquiry into chemical reactions and the Gender facilitation guidelines

- ∞ Sharing the Hypatia toolkit activities with managers of informal STEM programs (in science centers, universities youth units, afterschool programs, etc.) to be used by their guides/explainers in their meeting with teenagers
- ∞ Other science centers will implement elements of the toolkit activities in their own programs with students, for example Technopolis a Flemish science center in Belgium

HUBS

- ∞ We will continue to collaborate with individual informal education organization hub-members

CONTACT INFORMATION

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