

X'hemM? għal Kulħadd - Guidelines

14th – 21st March 2023

The Science Centre, Pembroke within the Directorate for Learning and Assessment Programmes is launching the 12th edition of *X'hemM?* – a Mathematics and Science education popularization initiative. The 12th edition of *X'hemM?* will be officially launched on the International Day of Mathematics, Tuesday 14th March 2023 and the event will be entitled ***X'hemM? għal Kulħadd***. The STEM initiative targets all students from Kinder 1 to Year 6 (ages 3 to 11).

The *X'hemM? għal Kulħadd* initiative aims to:

- Promote quality STEM education for all.
- Develop topics outlined in Primary Mathematics and Science curricula.
- Engage students in relevant meaningful experiences.
- Nurture positive attitudes towards STEM.
- Raise the general profile of STEM education within the community.
- Foster a STEM learning community.

Ideas for school events and activities.

The Science Centre within the Directorate for Learning and Assessment Programmes invites schools and other entities providing non-formal education, including museums/centres, libraries, NGOs, local councils, sports clubs, activity clubs, scout groups, girl guides, the industry and other spaces, to register their interest to participate in *X'hemM? għal Kulħadd* initiative.

All Activities registered as part of *X'hemM? għal Kulħadd* should be aligned to the aims outlined above and target at least one or more of the following audiences:

1. Students from one of more year groups from Kinder 1 to Year 6 (ages 3 to 11) in State and non-State schools. Kindly note that participants should register as a whole year group rather than individual classes.
2. Educators in Early Years and Primary Years (Kinder 1 to Year 6).
3. Parents/guardians and/or other family members of students from Kinder 1 to Year 6 (ages 3 to 11) in State and non-State schools.
4. The general public.

The different target groups can be involved in *X'hemM? għal Kulħadd* through a range of activities. A list of suggested ideas/inspiration for *X'hemM? għal Kulħadd* participation are outlined below.

- STEM Fair
- STEM Challenge
- Explore a Theme
- STEM Show and Tell e.g. older students showing younger students or vice-versa
- STEM Biographies
- STEM Roadshow
- STEM Show
- STEM workshops
- STEM Educational visits



- Outdoor STEM activities e.g. STEM trails, STEM treasure/scavenger hunt
- Virtual STEM treasure hunt
- STEM quiz

All sorts of ideas!

Educators are encouraged to create their own activities relevant to *X'hemM? għal Kulhadd*. The following links may offer ideas/inspiration/starting points for an engaging activity:

- Scientix - <http://www.scientix.eu/resources>
- European Schoolnet - <http://www.eun.org/projects/stem>
- STEM Learning - <https://www.stem.org.uk/resources>
- Waterford.org - <https://www.waterford.org/resources/national-stem-day-activities/>
- Science Foundation Ireland - <https://www.sfi.ie/events/>
- W-STEM Project - <https://wstemproject.eu/>
- I-SEE Project - <https://iseeproject.eu/category/showcase/>
- Little Bins for Little Hands - <https://littlebinsforlittlehands.com/stem-projects-for-kids/>

Activities related to the past *X'hemM?* editions may be accessed through the educational portal Teleskola.mt.

The activities/events outlined above may be interlinked to create unique and authentic learning opportunities during *X'hemM? għal Kulhadd* week.

Schools and entities are encouraged to coordinate the planning of *X'hemM? għal Kulhadd* by active engagement of the different stakeholders. The responsibility for the logistics and implementation of the activities for *X'hemM? għal Kulhadd* activities lies within the school or entity submitting the registration. The teachers within the Primary Mathematics Support Team and the Primary Science Team can be consulted to provide adequate support or guidance. *X'hemM? għal Kulhadd* activities will be exhibited on Teleskola.mt educational portal. Any clarification or queries can be put forward to Ms Melanie Casha Sammut (Education Officer – Primary Mathematics) on melanie.casha.sammuto@ilearn.edu.mt or Ms Isabel Zerafa (Education Officer – Primary Science) on isabel.zerafa@ilearn.edu.mt.

Interested participants are kindly requested to register their event for *X'hemM? għal Kulhadd* and compile the online registration form, accessed through the following [LINK](#) by not later than **Friday 24th February 2023**.

