

Charte d'un atelier MATH.en.JEANS



Regardless of the level of education, a MATH.en.JEANS workshop provides students with a place to discover, create and invest, an environment that encourages and values their initiative, a modern vision of mathematics and a relationship to the mathematical research community.

Creating a MATH.en.JEANS workshop requires essential elements:

- A volunteer researcher (faculty member, phd student, ...).
- One school or preferably two twinned schools with at least one teacher and a reasonable number of students in each (between 3 and 5 per subject group seems desirable).
- Attractive and serious research topics.
- A schedule allowing the time required for collective work in small groups , one to two hours per week.
- Regular meetings between apprentice researchers, teachers and the researcher (called "seminars")
- An "official" presentation of the results (it can be of different kinds: conference communication, animation, production of articles, posters...).

Role of the teacher:

- The teacher helps students to clarify and rephrase their thoughts, giving them time.
- The teacher does not translate the problem, does not reduce it to small questions and does not solve it for the students.
- The teacher prepares the oral presentation and/or accompanies the preparation of a written document.
- The teacher reports his workshop to the association and provides the necessary information (number of students, subjects, organisation...).

Role of the researcher:

- The researcher chooses the subject, in collaboration with the teacher. The subject must not be a purely academic exercise or problem, nor a simple documentary search, and must not be limited to a list of closed questions; it must encourage the initiative and imagination of the students.
- Whenever possible, the researcher visits the schools, exchanges by video conference or invites the students to his laboratory (research seminars).
- The researcher accompanies and stimulates the students' questioning.
- The researcher regularly validates the progress through dialogue with the students, he validates the research in its final state and the possible written production.

The essential principles to respect:

- Do not make a competition or a workshop of excellence.
- Do not select students, either during the research phases or for presentations.
- Avoid the systematic use of the Internet during research sessions.
- Open the workshop to voluntary students (either actually voluntary or having a choice over another activity) supervised by voluntary teachers.

Charter approved by the Conseil d'Administration on October 12th, 2019

By signing this Charter, M , teacher responsible for – researcher supervising* –the workshop of (town :) undertakes to respect the principles set out above and registers his workshop in the actions of the association Math.en.JEANS.

Place : Date : Signature:

* Strike out what does not apply