

Presenting person

MathCityMap

Module 6: Implementation with your students



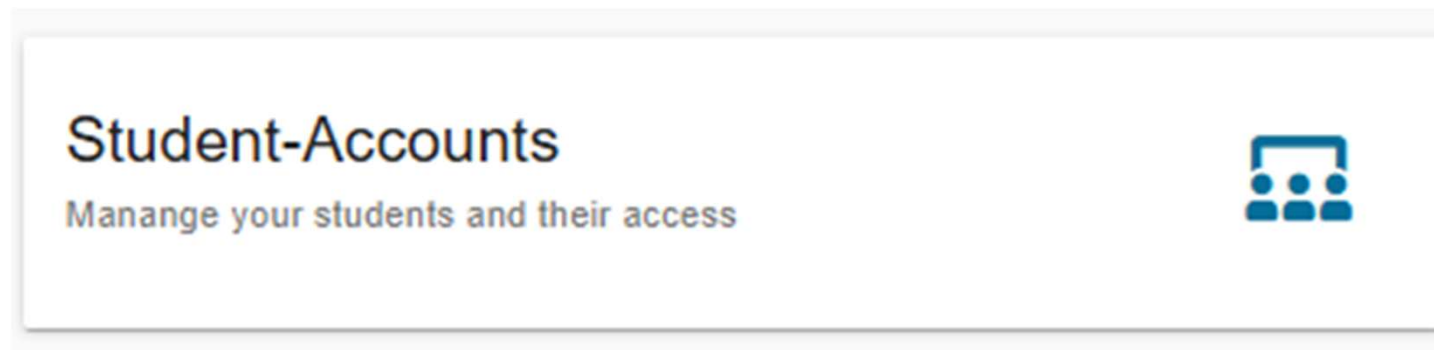
Deutschland
Land der Ideen



Ausgezeichneter Ort 2019



How to set up Student Accounts in a school group, so students can create their own math tasks and give feedback to classmates.



It can be helpful if your students follow the Self-Study Course (SSC).

Access from
the Web Portal

Module 1:

Math trails and
MathCityMap.

Module 2:

Task design with
MathCityMap.

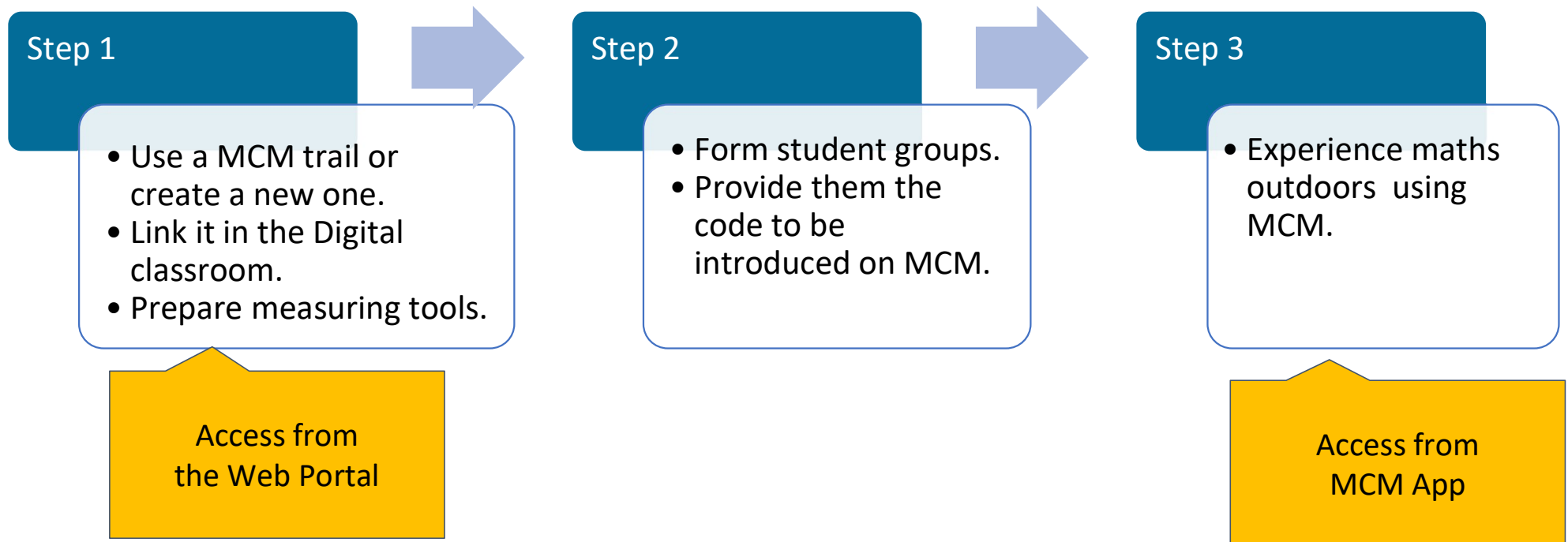
Module 3:

MathCityMap
(MCM) Portal Web.

Module 4:

Review and
Feedback.

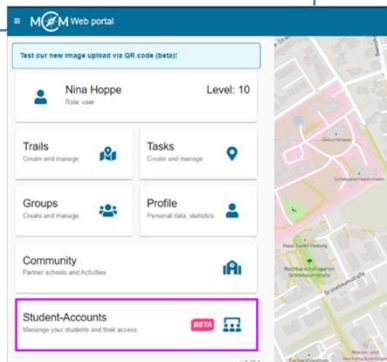
Before using the Student Account your students should have followed at least one MCM trail.



Getting started with Student Accounts.

Step 1

- Create a learning group and enter the details for your students.



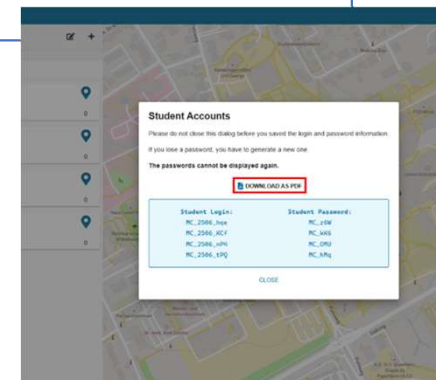
Step 2

- Form student groups of three for collaborative task creation.



Step 3

- Distribute login information securely to students for access.



What does each group need?

Measuring tool

Tape measures or meter sticks for accurate data collection.



Worksheets for task and peer review

Also writing instruments and a support for writing.



Mobile device

For taking pictures and accurately locating the objects.



Computers, laptop or tablet

For posing task and give the feedback in the peer review.



Send students outside to search for tasks.

Choose an object

- Think the math activity.
- Take some pictures.
- Make sure the localization is activated in your phone or take note of the place the object is.

Don't forget to set the time for returning indoors

Collecting data

- Measure the object. Take as many measurements as you may need. At least two students per group should measure.

Assign each group an area around the school

Do the math

- To ensure that you can provide the sample solution and the hints using this data.

Instruct students to look for interesting mathematical objects (shapes, measurements, patterns).

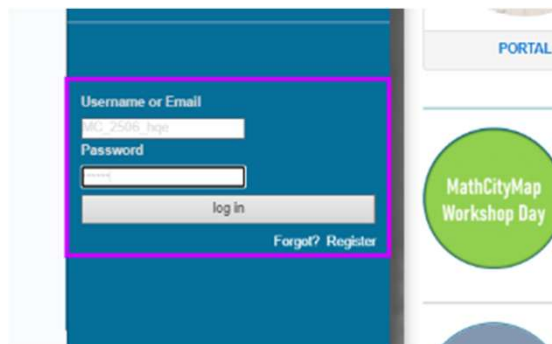
Both teacher & student can see
the created tasks



Returned indoors, let them create tasks.

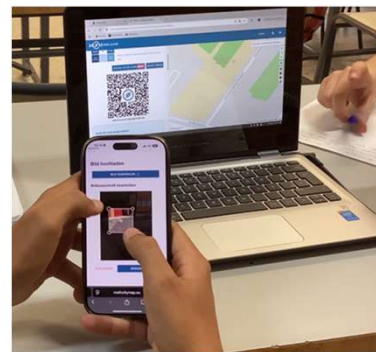
Log in

Guide student to log in their
accounts. One per group.



Create task

Title, photo (localization),
answer and hints from the
worksheet.



Some groups may need to return
outdoors to measure something
missing. Contemplate that.

Teacher circulates to assist and
monitor progress.

Both, students and teacher can
see the created task.

The tasks are created by students...
What happens next?

How to organize peer review.

Indoor

Decision on which tasks are reviewed by whom.

Outdoor

Students go outside to solve their assigned tasks using the reviewing worksheet.

Indoor

Students formulate feedback in the Web Portal.

List task in a way that all task will be reviewed for at least three different groups.



Don't forget:

- Measuring tools
- Feedback worksheet from the Web Portal

From the teacher view you can supervise all their feedbacks

