

# Online Mathematics Resources for Grades 4 - 8

## **MATHFROG**

**(Grades 4-6)**

[www.mathfrog.ca](http://www.mathfrog.ca)

Explore resources for students, teachers and parents. Each lesson satisfies the Ontario curriculum and integrates a good online game with high-quality follow-up exercises.

## **INVITATIONS TO MATHEMATICS**

**(Grades 4-6)**

[www.cemc.uwaterloo.ca](http://www.cemc.uwaterloo.ca)

Booklets specific to each, grade and curriculum strand at \$7.00 each on geometry, data management, probability, patterning and algebra, and measurement. Each 50-page booklet includes five activities, all black line masters, solutions and teacher notes.

## **PROBLEMS '4' THE WEB**

**(Grades 4-6)**

[www.cemc.uwaterloo.ca](http://www.cemc.uwaterloo.ca)

Browse this archive of math problems. The problems promote understanding of concepts and applications. They are ready for classroom use or individual discovery.

## **EMMY NOETHER CIRCLES**

**(Grades 5-6)**

[www.cemc.uwaterloo.ca](http://www.cemc.uwaterloo.ca)

Participate in problem solving activities that complement the curriculum. Foster the enjoyment of math through group work, which enhances individual investigations and learning.

## **MATH CIRCLES**

**(Grades 6-8)**

[www.mathcircles.ca](http://www.mathcircles.ca)

Math Circles is a weekly meeting at UW for keen students seeking mathematical enrichment. Material including presentation outlines and homework assignments are updated weekly.

## **WIRED MATH**

**(Grades 7-8)**

[www.wiredmath.ca](http://www.wiredmath.ca)

Explore student and teacher math resources, online games and drills. Challenges and extensions of enrichment are also included. Get wired today!

## **GAUSS MATHEMATICS CONTESTS**

**(Grades 7-8)**

[www.cemc.uwaterloo.ca](http://www.cemc.uwaterloo.ca)

A one-hour, 25-question multiple-choice contest held in May. Registration, past contests and solutions are available online.

## **MATH TEACHERS' WORKSHOPS AND SEMINARS**

**(Grades 7-8)**

[www.cemc.uwaterloo.ca](http://www.cemc.uwaterloo.ca)

An annual August workshop for teachers held at the University of Waterloo. The workshop focuses on problem solving and technology in the curriculum.

## **ASK THE CEMC TO VISIT YOUR SCHOOL**

**(Grades 7-8)**

Contact: [cemcvisits@math.uwaterloo.ca](mailto:cemcvisits@math.uwaterloo.ca)

The UW Faculty of Mathematics and the CEMC visit schools to generate excitement about mathematics and computer science. There is normally no charge for these visits.



The CENTRE for EDUCATION in MATHEMATICS and COMPUTING

[www.cemc.uwaterloo.ca](http://www.cemc.uwaterloo.ca)