

The Mathematics
Classroom at
Lockport Township H.S.

2015-2016 Curriculum Night

A Collaborative Classroom

A collaborative classroom is identified by discussion, with in-depth accountable talk and two-way interactions, whether among the whole class or in small groups. Questioning and dialogue are valued so that learning can occur.

- Students work together as **active participants** encouraged to take responsibility for their learning through monitoring and reflective self-evaluation.
- Teachers are **facilitators** whose main responsibility is to **guide** students to search for information.
- Teachers have the opportunity to provide individual help by providing hints, probing questions, feedback and help in clarifying thinking.

Resources for Students

1. Carnegie Learning Home Page

a. www.resources@carnegielearning.com

- i. Click the resource center in the upper right hand corner
- ii. Students use their username and password to access
- iii. Welcome to the Resource Center

Sign in with your **Resource Center account.**

Email or Username

Or

Password

[I want to reset my password.](#)

Sign in





Resources for Students

2. Resource Center

a. Access Student E-text


Textbooks



Your Textbooks 
Choose from your available textbooks:

- [Common Core Integrated Math I](#)
- [Common Core Integrated Math II](#)
- [Common Core Integrated Math III](#)

Textbook Walkthrough
Click to view video:



b. Access to Software Login

Resource Center 

[Carnegie Learning](#) [Software Login](#) [Noelle C. ▾](#)

[Textbooks ▾](#)

[Online Training](#)

[Home Connection](#)

[Support](#)

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The Cognitive Tutor

The Cognitive Tutor (Mathia) is a software that was developed around an artificial intelligence model that identifies weaknesses in each individual student's mastery of mathematical concepts.

- Students are engaged in real-world problems
- Students solve mathematical problems using multiple representations
- Students must show 95% mastery of each discrete skill required to solve math problems prior to progressing through the curriculum
- Students can explore the lesson, key terms, and skills before diving into the problems; utilizing step-by-step, interactive examples.

Resources for Parents

3. Home Connection

a. www.resources.carnegielearning.com/homeconnection

i. Study Skills: Access these additional links to help your child learn the math.

- www.figurethis.org/fc/family_corner.htm
- www.how-to-study.com/
- www.schoolfamily.com/middle-school
- www.schoolfamily.com/high-school

Resources for Parents

4. Home Connection, continued

b. www.resources.carnegielearning.com/homeconnection

ii. How You Can Help Your Child be Successful

Additional Math Practice for High School

- www.artofproblemsolving.com/index.php?
- easycalculation.com/
- www.math.hmc.edu/funfacts/
- mathforum.org
- www.coolmath.com
- www.brightstorm.com