



ABE Math

Class time: Monday 9:00-11:30AM

Fall 2010

INSTRUCTOR: Marisa Albright
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Brodhead, KY 40409
PHONE: 606.256.0218
CONTACT HOURS: 8:30AM-3:30PM
PREREQUISITES: Test of Adult Basic Education
TEXT BOOK: NONE

COURSE DESCRIPTION:

ABE Math consists of math's basic operations; multiplication, division, fractions, decimals, percentages, as well as basic algebraic and geometric functions.

The class is designed to help students:

1. learn to value mathematics,
2. become confident in their ability to do mathematics,
3. become mathematical problem solvers,
4. that they learn to communicate mathematically, and
5. that they learn to reason mathematically.

This class serves as a powerful motivator and confidence builder with adults. Students will be able to use math effectively –in many cases for the first time in their lives.

COURSE OBJECTIVES:

1. To build a strong foundation in basic mathematics.
2. To emphasize exploring ideas, investigating, reasoning, and communication on the part of the student. Rote memorization is de-emphasized. Rather, the student learns strategies for thinking mathematically and for applying mathematics in real-world contexts.
3. To meet students' needs for efficient math skills.
4. To help prepare students for the math section of the COMPASS, TABE, and the GED.

CLASS MATERIALS:

1. Videotape, DVD, TV (all provided) by classroom, or at the adult education lab.
2. Student workbook/worksheets (provided).
3. Calculator (provided).
4. Supplemental learning aids such as Skills books (provided).
5. Laptop for WIN & ITTS access (one provided by instructor).

EVALUATION PROCESS:

1. TABE 9/10 used for post-test.
2. Official GED practice test.
3. Official GED test.

CLASS METHOD:

Instruction begins with an interview with the prospective student. If the student qualifies for the program, a registration form is completed and an assessment is given. Testing instruments range from TABE tests to Pre-GED depending on the student's educational background. After the assessment is evaluated and a diagnostic is completed, students will be enrolled in the appropriate leveled class.

ATTENDANCE:

Attendance is very important. In order for the student to adequately prepare for the GED, or to raise COMPASS scores, they must attend class one specific day a week (1 ½-2 hours) for a minimum of six (6) weeks. **If two class sessions are missed, the student will be removed from the class roster and will restart the class the next term.**

GRADING POLICY:

Letter grades will not be given; an assessment will be given to check for a functional level gain after the student has logged 50 hours.

SCHOOL CLOSURES:

School closures for holidays will be posted and students will receive a copy of the holiday schedule. Listen to local radio stations for news concerning closures due to weather.

*The following is an outline of class lessons:

Lesson 1: What are fractions?

Lesson 2: What are fractions? (Review)

Lesson 3: What are percentages?

Lesson 4: Review, What are Percentages?

Lesson 5: What are decimals?

Lesson 6: What are Decimals? (Review)

Lesson 7: Basic Geometry Area & perimeter

Lesson 8: Area & perimeter reviewed

Lesson 9: Basic Geometry Angles

Lesson 10: Angles reviewed

Lesson 11: Basic Algebraic functions

Lesson 12: Basic algebra review

ITTS will be used on occasion during class and assigned for at home use.