AEC Adult Credit

ENGLISH AND MATH CREDIT ASSESSMENT INFORMATION

Continuing & Adult Education

Please read the following information carefully before attempting the English and/or math credit assessments for the Adult Education Centre.

- **You may only attempt the English and/or math credit assessments once every 6 months.**
- Results should be available in 5 days. To receive results, please phone the Adult Credit Department at **905.270.6000 (press 1)**.

English Assessment

You will be required to complete the English assessment at either the Mississauga or Brampton Adult Education Centre.

The purpose of this assessment is to gather information about you as a reader and writer so that we can recommend the proper placement in an English course to ensure the best opportunity for your success.

For the English assessment, no prior preparation is required. However, review of essay structure may be helpful.

There are **two mandatory parts** to the assessment:

- **Part I** requires you to answer 10 questions after reading a 2 - 3 page article.
- **Part II** requires you to write a short essay.
- You will have approximately 90 minutes to complete these two parts.

There is a **third part** that *must* be completed if you are planning to take an **English university preparatory course** (i.e., ENG 3U or 4U):

- **Part III** requires you to analyze a quotation and relate it to personal experience and the article you read for Part I.
- You will have approximately 45 minutes to complete this section.

The assessor will be looking for the following:
- How well you present your ideas in a clear and organized way.
- How well you use appropriate vocabulary and sentence variety.
- How well you use standard spelling, punctuation and grammar.

Math Assessment

- A review of the math concepts is strongly recommended. Khan Academy (www.khanacademy.org) or Purplemath (www.purplemath.com) may be helpful.

- Are you interested in a non-credit program where you can strengthen your basic math skills? Please contact David Matthews regarding our LBS program at 905.270.6000, Ext. 6401.

Math topics include the following:

Section 1 (Grade 10 prerequisite):
1. Ratio, rate and percent
2. Evaluating algebraic expressions
3. Expanding and simplifying algebraic expressions
4. Solving linear equations with one variable
5. Linear relation in form: $y = mx + b$ (graphs and equations)
6. Geometry – area of regular and irregular shapes
7. Measurement – volume of a rectangular prism and cylinder

Section 2 (Grade 11 prerequisite):
1. Ratio in a simplest form, rate
2. Algebraic expressions. Factoring.
3. Solving linear systems of equations by graphing, substitution and elimination
4. Solving right angle triangles – Pythagorean theorem
5. Trigonometric ratios in a right triangle. Angle of elevation and depression.
6. Sine and Cosine law
7. Quadratic relations: graphs and transformations
8. Solving quadratic equations by factoring and by using quadratic formula
9. Equation of a circle
10. The length of a line segment

Section 3 (Grade 12 prerequisite):
1. Evaluating algebraic expressions/formulas
2. Exponent Laws
3. Exponential functions – applications (exponential growth and decay)
4. Quadratic functions and applications (max/min of quadratic function)
5. Solving quadratic equations – applications
6. Inverse of linear and quadratic functions
7. Simplifying rational algebraic expressions & factoring algebraic expressions
8. Trigonometric functions and transformations
9. Discrete functions: arithmetic and geometric sequences and series
10. Financial mathematics: comparing simple and compounding interest; annuities