



Course: TSI Prep (Math Only)

Instructor: Bradd Henry

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Site: Vaires

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Location: Varies

Time: Varies

Course Information: This service is provided free of charge by the Adult Education and Literacy Department of Region 5 Education Service Center. The program of study will provide remediation services in the area of mathematics for individuals needing to pass the TSI math exam.

Course Objectives: As participants in this course, learners will be able to calculate the following:

- Review of basic arithmetic operations test takers may be required to perform without a calculator
- operations with decimals, fractions, and positive/negative numbers
- order of operation
- Review ratios, proportions, and percents
- solve equations and simplify algebraic expressions
- solve and graph linear equations and inequalities
- properties of exponents and radicals
- solve quadratic equations by factoring
- review of geometry
- basic formulas for 2D figures
- recognizing 3D shapes and finding their volumes
- review of coordinate plane including symmetry, rotation, reflection and translations
- understanding slope and intercepts of a line
- pythagorean theorem
- data analysis and statistics
- review of measure of central tendency and variation
- understanding of visual displays of data such as charts and graphs
- recognition of normal and skewed distributions of data
- recognizing patterns and sequences
- application of mathematical principles and reasoning to solve real world problems
- review of general problem solving techniques

Learners will accomplish the educational and career goals outlined in their Individual Training, Education and Career Plan (ITEC Plan).

Curriculum:

Remediation services will be incorporated into the course curriculum during the student's required lab hours. Students will participate in a minimum of 15 contact hours of remediation throughout the semester.

Certificate/Degree: Learners participating in this course are seeking to satisfy Texas Success Initiative (TSI) requirements in order to seek the certificate/degree of their choice.

Major Units of Study: Contextualized AEL instruction will be integrated into the following course of study:

Week 1: Syllabus, 1.1

Week 2: 1.2 - 1.3

Week 3: 1.4 - 1.7

Week 4: 2.1 - 2.3

Week 5: 2.4

Week 6: 3.1 - 3.3

Week 7: 3.4 - 3.5

Week 8: 4.1

Week 9: 4.2 - 4.3

Week 10: 4.4 - 4.5

Week 11: 5.1

Week 12: 5.2 - 5.6

Week 13: 5.7, 6.1 - 6.2

Week 14: 6.3, 6.5 - 6.6

Week 15: Review

A copy of the syllabus can also be found at this link esc5.net/adulted

Course Expectations: Each class will require hands-on, interactive learning from start to finish. Learners should come ready to participate. (other, as applicable)

Attendance Policy: Students are required complete at least 15 direct contact hours

Evaluation: Pre and post tests will be given to learners according to TWC AEL guidelines. Students will also take the TSI Math exam upon instructor's approval

Materials Needed: Learners will need to bring a tablet for notetaking and completing activities. For distance learning, participants will need to provide their own cell phone or laptop computer.

Course Calendar: Our fiscal year begins on July 1, 2018 and ends on June 30, 2019. Class holidays include July 4 (Independence Day), September 3 (Labor Day), November 19-23 (Thanksgiving), December 24-January 4 (Christmas), March 11-15 (Spring Break), and May 27 (Memorial Day). Please note that calendar adjustments are necessary throughout the program year. These adjustments will be announced in class and via Remind.

Additional Resources

- Region 5 ESC Adult Education website: (www.esc5.net/page/AE_Home)
- Workforce Center(Beaumont) 409-839-8045 (setworks.org)

- Workforce Center (Port Arthur) 409-962-1236 (setworks.org)
- Workforce Center (Orange) 409-882-0302 (setworks.org)
- Career Navigator(Danielle Grundy) 409-951-1759 or dgrundy@esc5.net
- Math Help Line (1-888-295-3916) or (www.studentnest.com)
- Jobs for America's Graduates-JAG (Casi Rekieta) crekieta@esc5.net
- A comprehensive list of local community organizations that provide individual or family support services may be found at (www.esc5.net/adulted), or a printed document will be provided upon student request.



The Adult Education and Literacy Department of Region V Education Service Center operates under a grant from the Texas Workforce Commission. Information about local TWC resources can be found at <https://setworks.org>.