

Warren County School District

PLANNED INSTRUCTION

COURSE DESCRIPTION

Course Title: ~~Applied Mathematics IV (PSSA Review)~~
Keystone Essentials – Algebra

Course Number: _____

Course Description and Prerequisites: **Keystone Essentials - Algebra** is a course designed for seniors only who are following the Applied Sequence or have failed the PSSA math test. The main emphasis of this course will be a 40-45 day review for the PSSA test after which time the consumer math topics listed in the Applied IV will be highlighted, touching on the same topics but spending slightly less time on each.

Suggested Grade Level: 12

Length of Course: ____ One Semester X Two Semesters ____ Other
(Describe) _____

Units of Credit: 1 (Insert **NONE** if appropriate.)

PDE Certification and Staffing Policies and Guidelines (CSPG) Required
Teacher Certification(s) (Insert certificate title and CSPG#) Mathematics 50

Certification verified by WCSD Human Resources Department:
X Yes ____ No

Board Approved Textbooks, Software, Materials:

Title: Mathematics with Business Applications

Publisher: Glencoe/McGraw Hill

ISBN #: 0 07 869251-2

Copyright Date: 2007

Date of WCSD Board Approval: November 13, 2007

BOARD APPROVAL:**Date Written:** 06-07**Date Approved:** May 14, 2007**Implementation Year:** 2007-2008**Suggested Supplemental Materials:** None**Course Standards****PA Academic Standards:**

- 2.1.11 Numbers, Number Systems and Number Relations
- 2.2.11 Computation and Estimation
- 2.3.11 Measurement and Estimation
- 2.5.11 Mathematical Problem Solving and Communication
- 2.8.11 Algebra and Functions
- 2.9.11 Geometry

- 1.2.11 Reading Critically in All Content Areas
- 1.6.11 Speaking and Listening

WCSD Academic Standards: None**Industry or Other Standards:** None**WCSD EXPECTATIONS**

WCSD K-12 Expectations for instruction in writing, reading, mathematics and, technology have been developed and revised annually. The teacher will integrate all WCSD Expectations into this planned instruction

SPECIAL EDUCATION AND GIFTED REQUIREMENTS

The teacher shall make appropriate modifications to instruction and assessment based on a student's Individual Education Plan (I.E.P.) or Gifted Individual Education Plan (G.I.E.P.).

SPECIFIC EDUCATIONAL OBJECTIVES/CORRESPONDING STANDARDS AND ELIGIBLE CONTENT WHERE APPLICABLE

(List Objectives, PA Standards #'s, Other Standards (see samples at end))

Specific Educational Objectives to be Taught:

Student will be able to obtain the skills necessary to survive in the real world.

- I. Review for PSSA test:
 - A. open ended questions/rubric
 - B. practice tests
 - C. topics to be determined from the results of their PSSA tests
- II. Employment:
 - A. job application
 - B. work habits/environment
 - C. types of pay
 - 1. hourly rate (overtime)
 - 2. piece rate
 - 3. commission
 - 4. combination of above 3
 - D. taxes
 - 1. state
 - 2. local
 - 3. federal
 - 4. FICA
 - E. checking account
 - 1. writing checks
 - 2. reconciling checking account
 - F. filling out a W4 form
- III. Budgeting:
 - A. mortgage/rent
 - B. utilities
 - C. paying bills (how and where)
 - D. car purchase/lease
 - E. insurance
 - 1. life
 - 2. car
 - 3. medical
 - F. filling out a tax form
- IV. Best buys:
 - A. discounts
 - B. mark-up
 - C. practical application of statistics (graphs, charts)
 - D. trip
 - 1. different kinds of transportation (car, bus, train, plane, . . .)
 - 2. motel costs/camping
 - 3. food/miscellaneous
 - E. Internet shopping (optional)

- V. Savings and loans
 - A. interest
 - B. savings
 - C. loans/loan application
 - D. investments
 - E. credit cards
 - F. insurance
 - G. amortization

ASSESSMENTS

PSSA Assessment Anchors Addressed: The teacher must be knowledgeable of the PDE Assessment Anchors and/or Eligible Content and incorporate them into this planned instruction. Current assessment anchors can be found at pde@state.pa.us.

Formative Assessments: The teacher will develop and use standards-based assessments throughout the course.

Portfolio Assessment: ____ Yes X No

District-wide Final Examination Required: X Yes ____ No

Course Challenge Assessment: Course challenge assessment will be based on activities and exams that measure student proficiency as the course standards at 84%

REQUIRED COURSE SEQUENCE AND TIMELINE

(Content must be tied to objectives)

Days	Content Sequence
40 days	I. Review for PSSA Test
35 days	II. Employment
35 days	III. Budgeting
35 days	IV. Best buys
<u>35 days</u>	V. Savings and Loans
180 days	

WRITING TEAM: Math Teachers

WCSD STUDENT DATA SYSTEM INFORMATION

1. Is there a required final examination? X Yes ____ No
2. Does this course issue a mark/grade for the report card?
 X Yes ____ No

3. Does this course issue a Pass/Fail mark? ☐ Yes ☒ No
4. Is the course mark/grade part of the GPA calculation?
 ☒ Yes ☐ No
5. Is the course eligible for Honor Roll calculation? ☒ Yes ☐ No
6. What is the academic weight of the course?
 ☐ No weight/Non credit ☒ Standard weight
 ☐ Enhanced weight (Describe) _____