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. 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

35 days 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 \_\_X\_\_ No

1. Is the course mark/grade part of the GPA calculation?

\_\_X\_\_ Yes \_\_\_\_ No

5. Is the course eligible for Honor Roll calculation? \_\_X\_\_ Yes \_\_\_\_ No

1. What is the academic weight of the course?

\_\_\_\_ No weight/Non credit \_\_X\_\_ Standard weight

\_\_\_\_ Enhanced weight (Describe)\_\_\_\_\_\_\_\_\_\_\_\_\_