

ALGEBRA II COURSE SYLLABUS
2011-2012

INSTRUCTOR: MR. KLEIN
SCHOOL: BELLEVUE WEST HIGH SCHOOL, ROOM 345
PLANNING: 1ST HOUR, GPS IN ROOM 334
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WELCOME TO THE 2011-12 SCHOOL YEAR. I AM EXCITED ABOUT THE MANY NEW AND INNOVATIVE THINGS WE WILL BE DOING IN THE ALGEBRA II CLASSES THIS YEAR. BELLEVUE WEST HIGH SCHOOL PROVIDES A HIGH VARIETY OF TECHNOLOGY TO ENHANCE LEARNING IN THE CLASSROOM. THIS YEAR WE WILL BE TAKING ADVANTAGE OF THE AVAILABLE TECHNOLOGY TO EXPLORE THE POWER OF FUNCTIONS. WHAT WE GAIN IN EXPERIENCE AND EXPERTISE THIS YEAR IN ALGEBRA II WILL BE EXPANDED UPON NEXT YEAR IN PRE-CALCULUS. THIS WILL BE AN INTERESTING YEAR FILLED WITH EXPLORATION AND DISCOVERY AS TOGETHER WE VENTURE FURTHER INTO THE WONDERFUL WORLD OF ALGEBRA.

TEXTBOOKS: ALGEBRA 2, BY CHARLES, HALL, KENNEDY, BELLMAN, BRAGG, HANDLIN, MURPHY & WIGGINS (PRENTICE HALL, PEARSON EDUCATION, 2011)
ELEMENTARY STATISTICS, BY LARSON, FARBER (PRENTICE HALL, PEARSON EDUCATION, 2012)

CONTENT: THIS IS A RIGOROUS ALGEBRA II COURSE EMPHASIZING PROBLEM SOLVING INVOLVING LINEAR AND QUADRATIC RELATIONS AND DATA (REGRESSION) ANALYSIS, GRAPHING USING BOTH TRADITIONAL AND TECHNOLOGICAL METHODS, MATRIX MANIPULATION, FACTORING, FUNCTIONS, COMPLEX NUMBERS, EXPONENTS, LINEAR SYSTEMS IN ONE, TWO AND THREE VARIABLES, AND PROBABILITY WITH STATISTICS. THIS COURSE DEMANDS REGULAR ACCOMPLISHMENT OF DAILY WORK AVERAGING 30 MINUTES PER ASSIGNMENT.

MATH STANDARDS: BEGINNING IN THE 2001-2002 SCHOOL YEAR, SCHOOL DISTRICTS ARE REQUIRED TO REPORT ON STUDENT SUCCESS TOWARD REACHING THE NEBRASKA STATE MATHEMATICS STANDARDS. THE STATE OF NEBRASKA NOW REQUIRES A SINGULAR STATEWIDE ASSESSMENT TO BE TAKEN BY ALL STUDENTS AT THE END OF THEIR JUNIOR YEAR. THE STATE ASSESSMENT WILL COVER CURRICULUM FROM ALGEBRA I, GEOMETRY, AND ALGEBRA II.

MATERIALS: TI-84+ GRAPHING CALCULATOR IS **HIGHLY** RECOMMENDED AND WILL BE PROVIDED FOR CHECK-OUT IN THE LIBRARY. **3-RING** NOTEBOOK IS ****REQUIRED**** (SPIRAL NOTEBOOKS ARE UNACCEPTABLE). COLORED PENCILS. ALL TEST AND QUIZZES AND HOMEWORK ARE TO BE DONE IN PENCIL. NO PEN WORK IS ACCEPTED.

GRADE: GRADING IS DONE USING A WEIGHTED SYSTEM. **SEVENTY PERCENT** OF THE POINTS COME FROM SUMMATIVE ASSESSMENTS, **TWENTY PERCENT** FROM QUIZZES AND **TEN PERCENT** FROM HOMEWORK PRACTICE.

- I. **SUMMATIVE POINTS (70%)** – INCLUDE ALL ASSESSMENTS SUCH AS ESSENTIAL OBJECTIVE TESTS
- II. **FORMATIVE POINTS (30%)** – INCLUDE HOMEWORK PRACTICE, QUIZZES, ETC.

AT THE END OF THE GRADING PERIOD, THE STUDENT'S TOTAL GRADE WILL BE DETERMINED BY FINDING A SEPARATE SUMMATIVE AND FORMATIVE AVERAGE. IN EACH CATEGORY, THE AVERAGE IS COMPUTED BY DIVIDING THE TOTAL POINTS THAT THE STUDENT HAS EARNED BY THE TOTAL NUMBER OF POINTS POSSIBLE. SINCE THE GRADES ARE WEIGHTED, THE FINAL GRADE IS COMPUTED AS FOLLOWS:

$$\text{Student Grade} = (70\% \cdot \text{summative average}) + (20\% \cdot \text{quiz average}) + (10\% \cdot \text{hw average})$$

THE PERCENT IS CONVERTED TO A NUMERICAL GRADE USING THE FOLLOWING SCALE:

97-100= A ⁺	87-89= B ⁺	77-79= C ⁺	67-69= D ⁺
94-96 = A	84-86= B	75-76= C	64-66= D
90-93 = A ⁻	80-83 = B ⁻	70-73 = C ⁻	60-63 = D ⁻
			0-59 = F

NOTEBOOK: 1. ALL HOMEWORK ASSIGNMENTS

ALL ASSIGNMENTS SHOULD BE FULLY COMPLETED AND ALL WRONG ANSWERS SHOULD BE CORRECTED. **HOMEWORK SHOULD BE IN ORDER BY UNIT AND SECTION.**

2. ALL CLASS NOTES

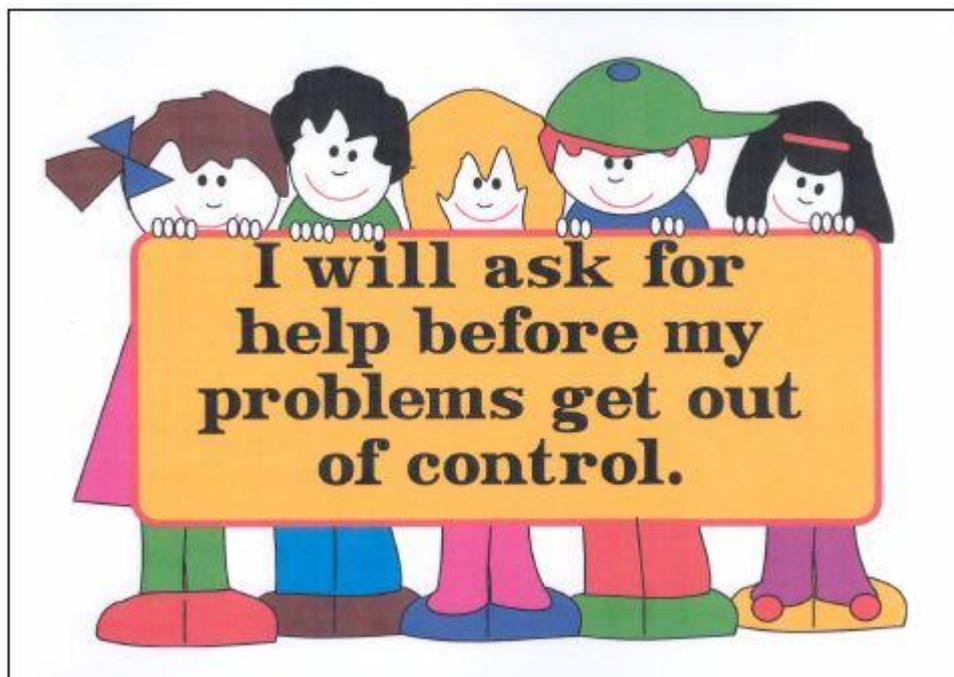
ANYTHING WRITTEN UPON THE BOARD BY ME DURING THE COURSE OF THE LECTURE OR ACTIVITY IS IMPORTANT ENOUGH TO INCLUDE IN THE CLASS NOTES. EXAMPLES OF PROBLEMS ARE ESPECIALLY IMPORTANT. IF YOU ARE SICK AND OR MISS A DAY FOR SOME OTHER REASON, MAKE SURE THAT YOU GET THE NOTES FROM ANOTHER RELIABLE STUDENT. YOUR NOTES SHOULD ALSO BE NEAT AND ORGANIZED IN ORDER BY UNIT AND SECTION.

3. QUIZZES, VOCABULARY, TABLES AND OTHER IMPORTANT STUFF

IT IS A GOOD IDEA TO KEEP ANY ASSESSMENTS THAT ARE GIVEN BACK. IT IS ALSO VERY IMPORTANT TO KEEP YOUR VOCABULARY WORDS AS WELL. IT IS A GREAT WAY TO REVIEW AND REWORK ANY PROBLEMS OVER THE SECTIONS TO BE COVERED, ALONG WITH STUDYING HOMEWORK AND NOTES.

HELP:

IF YOU START HAVING TROUBLE WITH THE MATH AFTER YOU HAVE STUDIED THE READING, REVIEWED THE NOTES AND ATTEMPTED THE PROBLEMS, STOP BY AND SEE ME BEFORE OR AFTER SCHOOL IN ROOM 345 OR ASK ANY OF THE OTHER AVAILABLE MATH TEACHERS DURING GPS. BESIDES THE TEACHER AND GPS, TAKE ADVANTAGE OF OTHER RESOURCES SUCH AS MATH LEARNING CENTER (MORNINGS 7:05 – 7:40 IN ROOM 323) AND ALSO ONLINE RESOURCES. BRING YOUR NOTES WITH YOU. OFTEN JUST 5 OR 10 MINUTES IS ALL IT TAKES TO CLEAR THINGS UP. THERE ARE ALSO MANY OTHER MATH INSTRUCTORS AVAILABLE TO HELP.



IF YOU HAVE ANY QUESTIONS, PLEASE ASK ME.

LET'S HAVE A GREAT SCHOOL YEAR!!!

***PLEASE SIGN AND RETURN THIS PORTION.
KEEP THE SYLLABUS FOR YOUR RECORDS.***

STUDENTS NAME _____
(PLEASE PRINT)

CLASS PERIOD _____

I HAVE READ THE SYLLABUS FOR THE 2011-12 SCHOOL YEAR. I UNDERSTAND MR. KLEIN'S RULES AND EXPECTATIONS FOR SUCCESS IN THE CLASSROOM.

I UNDERSTAND THAT **A 3-RING NOTEBOOK IS REQUIRED** FOR THIS CLASS, THAT IT MAY **NOT** BE SHARED WITH ANY OTHER CLASS AND THAT NOTES ARE TO BE TAKEN AND PLACED INSIDE THE NOTEBOOK ALONG WITH HOMEWORK. THE NOTEBOOK MUST BE ORGANIZED AND IS AN ESSENTIAL TOOL FOR LEARNING.

I UNDERSTAND THAT ALL MATERIALS ARE TO BE BROUGHT TO CLASS EVERY DAY. I UNDERSTAND THAT ALL TESTS AND QUIZZES ARE TO BE DONE IN **PENCIL**.

I UNDERSTAND THE GRADING POLICY AND HOW MY GRADE WILL BE DETERMINED IN THE CLASSROOM.

PARENT SIGNATURE: _____ DATE _____

BEST PHONE NUMBER TO CONTACT YOU. _____

PARENT E-MAIL: _____

STUDENT SIGNATURE: _____ DATE _____