



SUBJECT: Algebra II

GRADE LEVEL: 10

SCHOOL YEAR: 2023-24

TEACHER: Mr. Michael Hoffmann

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COURSE DESCRIPTION:

The course expands the mathematical content and concepts of algebra I and geometry. Students who master algebra II will gain experience with algebraic solutions of problems in various content areas, including the basic concepts of algebra, inequalities and proof, linear equations and functions, products and factors of polynomials, rational expressions, irrational and complex numbers, sequence and series, and analytic geometry.

ASSESSMENT:

- Tests and Quarterly Exams are announced in advance. Pop Quizzes are unannounced and can be given at any time during the class therefore students must come to class prepared. ALL Tests, Exams and Quizzes may be cumulative so students are responsible for staying current with previous lessons learned.
- Homework and classwork are graded based on level of completion and by due dates. Students are responsible for checking an assignment's due date which will be posted on our Google Classroom. Students are expected to be prepared to turn-in work by the due date during class time even if the Teacher has not given a verbal reminder. Any missing, incomplete or late work suffers a 10% deduction after 1 day and an additional 20% deduction after 2 days. Students MUST submit "Mark as Done" in Google Classroom for each assignment posted. Not submitting "Done" means the assignment is Incomplete and will suffer a 10% penalty. No late work is accepted after 3 days past the due date. Students who are absent are responsible for keeping up with the class by doing the work assigned.
- Students who miss a scheduled Test or Quarterly Exam must make-up the exam on return at the earliest. If the student does not make-up the exam at the earliest on return, then a percentage may be deducted from the exam score. The make-up test/exam will be different and more challenging than the originally scheduled test/exam. Student grades are assessed in the following way:

1. Tests and Pop Quizzes	30%
2. Homework/Classwork/Seatwork /Projects	30%
3. Quarterly Exam	30%
4. Department	<u>10%</u>
Total Grade	100%

Grading:

- Warm Up Questions 1 point
- Weekly Homework 2-18 points (2 points per assignment)
- Quiz 8-50 points (most quizzes are 10 points each)
- Test 100 points
- Activity/Project 5-80 points

MATERIALS:

- Notebook for note taking and in-class practice – Graph paper notebook (A4)
- Blue/black pen or pencil for working on paper ruler
- Folder for worksheets, quizzes, and tests
- **School approved calculator Ti-nspireCX or regular calculator**

Classroom Expectations:

- **Responsibility** - Being in control of your own behavior & having your work finished on time
- **Consideration** - Treating others the way you want to be treated & showing kindness and respect
- **Honesty** - Being truthful to others and yourself & doing what is right regardless of who is around

CLASSROOM AND HOMEWORK RULES:

- Be punctual in attendance.
- No swearing at or teasing each other any time.
- Always be ready for class (i.e., be prepared with necessary materials).
- **Cheating on tests and homework is strictly forbidden.**
- Always present the assignment neatly and clearly. Show all the solution steps when answering questions.
- **Late homework will be graded by taking proportional deductions (10 % deduction per day).** Students who are absent with good reason will be allowed to make up the missing work.

PRIMARY TEXTBOOK & OTHER RESOURCES

Algebra 2 – Larson & Boswell

ISBN-13 9781644328668

Published: Jan 1st, 2021

Additional Homework source : CK 12 Foundation

www.ck12.org

ADDITIONAL INFORMATION

St. Peter of Verona
St Albert the Great

Google Classroom Code: Pending
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Academic Dishonesty means employing a method or technique or engaging in conduct in an academic endeavor that contravenes the standards of ethical integrity expected at DIS. Academic dishonesty includes but is not limited to, the following:

1. Purposely incorporating the ideas, words of sentences, paragraphs, or parts thereof without appropriate acknowledgment and representing the product as one's own work; and
1. Representing another's intellectual work such as photographs, paintings, drawings, sculpture, or research or the like as one's own, including failure to attribute content to an AI.
2. Employing a tutor, making use of Artificial Intelligence without acknowledgement, getting a parent to write a paper or do an assignment, paying for an essay to be written by someone else and presented as the student's own work.
3. Committing any act that a reasonable person would conclude, when informed of the evidence, to be a dishonest means of obtaining or attempting to obtain credit for academic work.

Any act of academic dishonesty will result in an automatic zero on the entire assignment

1st QUARTER – TENTATIVE COURSE CONTENT

(NB: Depending on time and interest, the teacher may delete and/or add other selections.)

Week / Date	Topic / Projects / Assessments
Week 1 Aug 10th to 11th <u>Only 2 School Days</u> <i>10 ~ First Day / Orientation Day</i>	Thursday or Friday Orientation in the morning. M/H School regular class after lunch Pre-requisite skills Review Diagnostic test and Review
Week 2 Aug 14th to 18th <i>15 ~ Opening Mass</i>	Ch 1 Opener Section 1.1* Section 1.2 + Quiz
Week 3 Aug 21st to 25th	Section 1.3 Section 1.4 Chapter 1 Review* + Test*
Week 4 Aug 28th to Sep 1st	Ch 2 Opener* Section 2.1 Section 2.2** + Quiz
Week 5 Sep 4th to 8th <i>8 ~ Holy Mass & VIP Induction</i>	Section 2.3 Section 2.4 Chapter Review* + Ch 2 Test
Week 6 Sep 11th to 15th <i>12-14 ~ Pre-Exam Days</i>	Ch 3 Opener* Section 3.1** Section 3.2* + Quiz
Week 7 Sep 18th to 22nd	Section 3.3 Section 3.4** + Quiz Section 3.5
Week 8 Sep 25th to 29th <u>No Classes</u> <i>25-28 ~Teacher's Conference</i> <i>29 – Moon Festival Holiday</i>	Section 3.6 Chapter Review* + Ch 3 Test
Week 9 Oct 2nd to 6th <u>3 Days of Class</u> <i>5-6 ~Q1 Exams</i>	Cumulative Review – Exam preparation

2nd QUARTER – TENTATIVE COURSE CONTENT

(NB: Depending on time and interest, the teacher may delete and/or add other selections.)

Week / Date	Topic / Projects / Assessments
Week 1 (10) Oct 9th to 13th <u>3 Days of Class</u> <i>9-10 – Double 10 Holiday</i>	Ch 4 Opener* Section 4.1 Section 4.2 + Quiz*
Week 2 (11) Oct 16th to 20th	Section 4.3 Section 4.4 + Quiz* Section 4.5
Week 3 (12) Oct 23rd to 27th	Section 4.6 + Quiz* Section 4.7 Section 4.8 + Quiz*
Week 4 (13) Oct 30th to Nov 3rd <i>1 - All Saint's Day Mass</i>	Section 4.9 Chapter Review* + Ch 4 Test
Week 5 (14) Nov 6th to 10th	Ch 5 Opener* Section 5.1* Section 5.2 + Quiz* Section 5.3
Week 6 (15) Nov 13th to 17th	Section 5.4 + Quiz* Section 5.5* Section 5.6 + Quiz
Week 7 (16) Nov 20th to 24th	Section 5.7** Chapter Review* + Ch 5 Test Ch 6 Opener* Section 6.1
Week 8 (17) Nov 27th to Dec 1st	Section 6.2 + Quiz* Section 6.3 Section 6.4 + Quiz*
Week 9 (18) Dec 4th to 8th <i>8 - Foundation Day Celebrations</i>	Section 6.5 Section 6.6 + Quiz*
Week 10 (19) Dec 11th to 15th <u>3 Days of Class</u> <i>14-15 ~ Q2 Exams</i>	Section 6.7 Chapter Review* + Ch 6 Test
Dec 18th to Jan 1st	Christmas Holiday

3rd QUARTER – TENTATIVE COURSE CONTENT

(NB: Depending on time and interest, the teacher may delete and/or add other selections.)

Week / Date	Topic / Projects / Assessments
Week 1 (20) Jan 3rd to 5th <u>3 Days of Class</u> <i>4 ~ New Year Mass</i>	Ch 7 Opener* Section 7.1
Week 2 (21) Jan 8th to 12th	Section 7.2 + Quiz* Section 7.3 Section 7.4 + Quiz* Section 7.5
Week 3 (22) Jan 15th to 19th	Chapter Review* + Ch 8 Test Ch 8 Opener* Section 8.1 Section 8.2 + Quiz*
Week 4 (23) Jan 22nd to 26th	Section 8.3 Section 8.4 + Quiz* Section 8.5
Week 5 (24) Jan 29th to Feb 2nd	Section 8.6** + Quiz* Section 8.7 Chapter Review* + Test
Week 6 (25) Feb 5th to 9th <u>3 Days of Class</u> <i>8-9 ~ CNY</i>	Ch 9 Opener* Section 9.1 Section 9.2* + Quiz*
Feb 8th to 16th	CNY Holiday
Week 7 (26) Feb 19th to 23rd <i>19 ~ Lenten Mass</i> <i>21-23 ~ Pre-Exam Days</i>	Section 9.3 Section 9.4* + Quiz* Section 9.5**
Week 8 (27) Feb 26th to March 1st <u>4 Days of Class</u> <i>28 ~ 228 Memorial Day Holiday</i>	Section 9.6* + Quiz* Chapter Review* + Test
Week 9 (28) March 4th to 8th <u>4 Days of Class</u> <i>8 ~ Q3 Exams</i>	Cumulative Review + Exam Review

4th QUARTER – TENTATIVE COURSE CONTENT

(NB: Depending on time and interest, the teacher may delete and/or add other selections.)

Week / Date	Topic / Projects / Assessments
Week 1 (29) March 11th to 15th <u>4 Days of Class</u> <i>11 ~ Q3 Exams</i> <i>12 ~ Q4 Begins</i>	Ch 10 Opener* Section 10.1 Section 10.2 + Quiz
Week 2 (30) March 18th to 22nd <i>18-21 ~ Fire Drill</i>	Section 10.3 Section 10.4** + Quiz* Section 10.5
March 25th to Apr 5th	Easter Holiday
Week 3 (31) Apr 8th to 12th <i>10 ~ Easter Mass</i>	Section 10.6 + Quiz Section 10.7 Section 10.8 + Quiz Chapter Review* + Test
Week 4 (33) Apr 15th to 19th	Chapter Opener* Section 11.1 Section 11.2 + Quiz* Section 11.3
Week 5 (34) Apr 22th to 26th <i>22-26 ~ AP Mock Exams</i>	Section 11.4 + Quiz* Section 11.5** Chapter Review + Test
Week 6 (35) Apr 29th to May 3rd <i>1-2 ~ Pre-Exam</i> <i>1-10~ Final Exams (K, 5, 8, 12 only)</i> <i>4/29 – 5/10 ~ AP Exams</i>	Ch 12 Opener* Section 12.1 Section 12.2 + Quiz*
Week 7 (36) May 6th to 10th <i>1-10~ Final Exams (K, 5, 8, 12 only)</i> <i>4/29 – 5/10 ~ AP Exams</i>	Section 12.3** Section 12.4 + Quiz Chapter Review* + Test
Week 8 (37) May 13th to 17th <u>2 Days of Class</u> <i>15-16 ~ Q4 Exams</i> <i>17 ~ Record Day</i>	Cumulative review and Exam Preparation
Week 9 (38) May 20th to 24th <u>ACTIVITIES: Double check the school calendar and emails from the administration.</u>	----- <i>20-24 ~ Student Clearance Days</i> <i>21 ~ Baccalaureate Mass for Graduating classes</i> <i>22 & 23 ~ Middle & High School Sports Day</i> <i>23 ~ Pre-Kindergarten & Gr. 1 - 4 Recognition/Kindergarten Graduation/Gr. 5 Promotion</i> <i>24 ~ Gr. 6 – 7 Recognition and Gr. 8 Graduation</i> <i>24 ~ Lower School Sports Day</i>
Week 10 (39) May 27th to 31st <u>ACTIVITIES: Double check the school calendar and emails from the administration.</u>	----- <i>27 ~ House Culminating Activity</i> <i>28 ~ Gr. 9-11 Recognition and Gr. 12 Graduation</i> <i>29 ~ Class Party</i> <i>30 ~ Last Day of School & Report Card Distribution (half day)</i> <i>31 ~ Teachers/Staff Meeting</i>

* Indicates a 0.5 lessons, ** Indicates a 1.5 lessons