



***SUMMER COURSE  
DESCRIPTIONS***

***2020-2021***

January 2020

Dear Parent/Guardian,

This year we are offering two Summer Course Sessions. If your daughter meets the criteria to attend either session please understand the rigor and dedication necessary for completing a full-year course in six weeks. Also, vacations may not be taken during the six-week program due to the progressive pacing. No exceptions will be granted to this policy.

Upon successful completion of the program, the student will receive one full credit for the course. Grades recorded for either summer session will be visible on the 2020-2021 report cards.

Summer Session 1 will run from June 1st through July 9<sup>th</sup> from 8:30 am – 11:30 am (excluding July 3rd ). Summer Session 2 will run from July 13<sup>th</sup> through August 19<sup>th</sup> from 8:30 am – 11:30 am.

Students may wear comfortable clothing. Textbooks will be provided to each student. A syllabus and supply list will be provided to all students in May.

In order to enroll in a Summer Course you must first have the teacher sign off on the form below, indicating that you meet the criteria. The cost for the course is \$1000.00. A deposit of \$250.00 is required to hold your seat for a summer course and is due by February 28, 2020. The balance of \$750.00 will be due on or before May 22, 2020. All checks should be made payable to "Villa Joseph Marie High School". Please complete the information requested below and return with your payment to the attention of Ms. Tina Schuster, in the main office.

The administration at Villa Joseph Marie High School reserves the right to decline a student from enrolling in BOTH summer sessions during the same year. In addition, should a student successfully pass a summer course, in any summer session, during their tenure at Villa, they may opt to take a STUDY during either her Junior year or her Senior year.

We look forward to working with your daughter this summer! If you have any questions, please feel free to contact me.

**NOTE:** The school reserves the right to cancel courses for which there is insufficient enrollment, lack of facilities, or unavailability of teaching personnel. If a course is cancelled, the student will be notified and asked to make another choice.

Thank you!



Mrs. Lauren Carr

Principal

[lcarr@vmhs.org](mailto:lcarr@vmhs.org)

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Student's Name: \_\_\_\_\_ Parent's Name: \_\_\_\_\_

Student's Signature: \_\_\_\_\_ Parent's Signature: \_\_\_\_\_

Recommending Teacher's Signature: \_\_\_\_\_ Course \_\_\_\_\_ Session \_\_\_\_\_

Student Email: \_\_\_\_\_ Parent Email: \_\_\_\_\_

Contact Number (Primary): \_\_\_\_\_ Additional Number: \_\_\_\_\_

**(FOR OFFICE USE ONLY)**

Deposit: \$250.00 Date Paid: \_\_\_\_\_ Ck# \_\_\_\_\_ Balance: \$750.00 Date Paid: \_\_\_\_\_ Ck# \_\_\_\_\_

Paid in Full \$1000 Date Paid: \_\_\_\_\_ Ck# \_\_\_\_\_

Session 1 \_\_\_\_\_ Course \_\_\_\_\_ Session 2 \_\_\_\_\_ Course \_\_\_\_\_

# Summer Session 1 Offerings

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## Summer Honors Physics

**Prerequisites:** Rising Junior or Senior standing; grade of "B+" or above in current Honors level math.

In this laboratory-based course, students will experience an in-depth, mathematically-oriented description of kinematics, energy, heat, light, electricity, and magnetism. Students learn the basic motions of the universe and the equations that describe them. Experiments will be performed which include interpretation of the results, observations, and activities which involve the assessment of experimental errors and uncertainties. This course is designed for the student who excels in mathematics and has a deep interest in scientific methods and pertinent experimental investigations.

## Summer Honors Italian 2

**Prerequisites:** An average of "B" or better in Italian 1 and teacher recommendation.

This course is designed to further develop the students' knowledge of the Italian language. This course will build on their previously learned vocabulary and introduce them to new grammar topics. Students will build their speaking, listening, writing and reading skills through a variety of activities.

## Summer Honors Spanish 2

**Prerequisites:** An average of "B" or better in Spanish 1 and teacher recommendation.

This course is designed to enhance the four basic language skills by stressing grammatical principles and focusing on the development of speaking fluency and vocabulary. Students will improve their basic reading, writing and conversational abilities with the active use of the language in the four areas of language development: listening comprehension, speaking expression, reading, and writing. There will be quizzes each day of the course, as well as two exams, a final cumulative exam and a culminating project.

## Improvisation in Communications

**Prerequisites:** Rising Sophomore, Junior and Senior standing.

This course introduces the skill of communicating effectively "on the fly." Activities will encourage fluency, flexibility, and critical thinking in thought, writing, and speaking. Improvisation is practice daily with interactive and collaborative activities. Strategies for handling conflict and quick thinking will be taught. Students will earn the basics of structured writing, with a focus on adapting communication to appropriately fit challenging scenarios. After taking this course, students can achieve a multi-faceted approach to communicating in both academic and social aspects of life.

# **Academic Biology**

***Prerequisite:*** Rising Sophomore standing.

This course is devoted to the study of living things and their processes. The course provides the students with an opportunity to develop scientific skills, laboratory techniques, and an understanding of the fundamental principles of living organisms. Study and laboratory investigations are inquiry-based. Critical thinking skills will be encouraged and developed. Topics include ecology, structure and chemistry of the cell, cellular transport, genetics, evolution, and human body systems.

## Summer Session 2 Offerings

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### Summer Honors Calculus

**Prerequisites:** Successful completion of Honors Pre-Calculus/Trigonometry with current teacher approval or Pre-Calculus/Trigonometry with Department and Administration approval.

This course is intended for students who have completed Honors Pre-Calculus/Trigonometry, but whose foundation is not as strong as needed for success in AP Calculus. Through the use of technology, as well as analytic methods, this course deals with the foundations of Calculus and its applications, especially those applications concerned with business and the biological and social sciences. Upon successful completion of this course, the student will have the necessary background to succeed in Calculus at the college level.

### Summer Honors Geometry

**Prerequisites:** An average of at least a "B" in Honors Algebra 1 or Honors Algebra 2, or a consistent "A" in Algebra 1 or Algebra 2, as well as teacher and Department approval.

This progressive course is geared toward students of above-average mathematical ability. It presents the fundamental properties of Euclidean geometry, writing of proofs independently by means of logic, solid and coordinate geometry with respect to similarity and congruence, and teaches writing of analyses in algebraic form to arrive at a solution. It also introduces some trigonometry of right angles. Critical thinking skills are emphasized.

### Honors Human Anatomy and Physiology

**Prerequisites:** Rising Junior or Senior standing; a minimum 3.5 GPA; "B+" or above in Honors Biology and Honors Chemistry, or "A" in Academic Biology and Academic Chemistry. Department Chair and Human Anatomy teacher approvals are required.

This course is designed to provide the student with an in-depth study of human anatomy and physiology. The relationship between form and function is stressed throughout the entire course. Students will be expected to apply general information in clinical case studies. Laboratory experiences are emphasized and will include mandatory dissections.

### Creative Expressions

**Prerequisites:** Rising Junior or Senior standing.

Creative Expressions is a course for the interested writer to explore her creativity. It is important to nurture the imagination of our burgeoning writers in a venue devoted exclusively to the creative temperament. After exploring the literary conventions, techniques, and devices of poetry, the short story, and drama with subsequent reading and analysis of examples from each genre, the student will compose her own original work in each division. Ultimately, the student will assemble her work throughout the summer for either an individual portfolio or for a class compendium.

## Honors Psychology

**Prerequisites:** Rising Senior standing. Prospective students must have a cumulative GPA of 3.75 or higher and Social Studies Department recommendation.

Psychology is the study of behavior and mental processes. This course, which is highly discussion-based, will lead students to answer the question: "Why do people behave as they do?" This course is designed to introduce students to the study of human behavior and emotions including the history of psychology and the study of psychological concepts, theories, and theorists. A goal of this study is that the student will begin to better understand herself, as well as others, while becoming cognizant of how much psychology is all around us. The ultimate goal is to produce an informed, as well as compassionate, person who is equipped to deal with the stresses of modern life. This class mirrors that of an introductory-level college course and moves at a more progressive pace than the introductory course outlined above.

## Honors American Civilization II

**Prerequisites:** Rising Junior and Senior standing. Prospective students must have a cumulative GPA of 3.75 or higher AND Social Studies Department recommendation. Students must have completed Accelerated American Civ I or Academic American Civ I with Social Studies Department approval.

This course is designed for students who can master advanced reading in American history with an emphasis on critical thinking through writing. It presents economic, social, and political history through the analysis of historical event and trends from the end of Reconstruction to the present day.

## Summer Honors Pre-Calculus/Trigonometry

**Prerequisites:** An average of at least an "A" in Algebra II and Geometry with Department and Administration approval, or a "B" in Honors Algebra II and Honors Geometry and current teacher approval. The student must have successfully completed two Honors math courses prior to entering this class.

This course is intended to provide a comprehensive course in trigonometry. It includes such topics as analytic geometry, polynomial functions, complex numbers, matrices, determinants, conic sections, probability, and introduces limits, derivation, and integration. Students who successfully complete this course will be prepared to take Calculus in the fall.

## Honors American Government

**Prerequisites:** Rising Senior standing; Prospective students must have a "B" or higher in American History.

Students will explore the complicated inter-workings of the American Government. The course will be divided into six weekly segments: the Constitution and America's political roots; Congress: Committees and how a Bill becomes a Law; the Presidency; the Supreme Court and "checks and balances"; the modern media and the importance of voting and other civic duties; a case study of the Election of 2016 and its implications on our governmental system.