COURSE CATALOG

Middle School Grades 5-8
2024-2025 School Year

Willamette Valley Academy

A School Focused on STEM Education

www.willamettevalleyacademy.org

EMPOWERING EXCELLENCE

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MATH PATHWAYS

ABOUT OUR MATH PATHWAYS

Students at Willamette Valley Academy are placed in math classes based on their ability level. Students have the opportunity to enroll in higher level courses if they can demonstrate proficiency in prerequisite math courses. We offer three separate pathways for math, one of which is designed for the traditional math student who finds success in math, the other for a student that is ready for advanced level math at a faster pace, and the last which is designed for a student who is ready to see math in a more challenging way that focuses on problem solving.

3 DIFFERENT MATH PATHWAYS

PATHWAY	5TH GRADE	6TH GRADE	7TH GRADE	8TH GRADE
Traditional	Singapore 5A & 5B	Prealgebra	Algebra 1	Geometry
Advanced	Prealgebra	Algebra 1	Geometry	Algebra 2 (AoPS offered)
Competitive & More Advanced	Algebra 1	Geometry	Algebra 2/AoPS	AoPS PreCal/AP Calculus

ADVANCED COURSES

WVA offers the following advanced mathematic courses for students.

- Precalculus
- Calculus
- AoPS Number Theory
- AoPS Probability & Counting
- AoPS Precalculus

MATH COURSE DESCRIPTIONS

SINGAPORE 5A & 5B

Prerequisite: Singapore Math 4B or similar level

This course uses the Singapore Dimensions Math 5A and 5B, which is the refined version of Singapore primary math. Singapore math is the proven top math curriculum for elementary students in the world. It teaches students to learn and master mathematical concepts in great detail while simultaneously applying a three-step learning process: concrete, pictorial, and abstract.

AoPS BEAST ACADEMY

Prerequisite: Singapore Math 4B or similar level

Beast Academy is published by Art of Problem-Solving as an introduction to their rigorous middle school and high school textbooks. It's a comprehensive curriculum for grades 2-5. The materials cover core fundamentals and then presents these fundamentals at a deeper and more challenging level than typical elementary-school math curriculum. The problem sets are explicitly designed to help students develop the mental grit to handle AMC and Math Olympiad problems and later tackle the kind of non-trivial open questions that real mathematicians work on. We may use the Beast Academy level 5 curriculum as supplemental math material to support 5th graders who loves more challenging math.

PREALGEBRA

Prerequisite: Demonstrated Proficiency in Singapore 5A

This course is the Prealgebra class in middle schools. The class aligns to Middle School 7/8 and plus. The course covers fractions and decimals, percents, rational numbers, foundations of algebra, multi-step equations, inequalities, exponents, roots, ratios, proportions, similarity, graphs, functions, foundations of Geometry, two-dimensional geometry (triangles and circles), polynomials, algebraic reasoning, integers, number theory and fractions, operations with rational numbers, proportional relationships, collecting, displaying, and analyzing data, probability, geometric figures, measurement and geometry.

MATH COURSE DESCRIPTIONS

AoPS PREALGEBRA

Prerequisite: Demonstrated proficiency in AoPS Beast Academy
We start Prealgebra by formalizing the rules of arithmetic that students learned in elementary school, so they can build on a rigorous foundation as they move into algebra. We then survey a wide range of topics, including number theory, algebra, geometry, counting, statistics, and probability. We introduce each topic with compelling problems, many of which are drawn from major national math contests such as MathCounts and the AMC 8. We place special emphasis on challenging word problems throughout the course.

ALGEBRA 1

Prerequisite: Demonstrated proficiency in Prealgebra
Algebra 1 further explores variables, algebraic expressions, equations, inequalities, functions, and all their multiple representations. Students will develop the skills to solve real-world problems, solve complex problems with graphing calculators, and communicate mathematical ideas. This course lays the foundation for mathematical literacy that will help students be successful in every subsequent course in mathematics.

AoPS ALGEBRA

Prerequisite: Demonstrated proficiency in AoPS Prealgebra
In this course, students engage with various expressions from an algebraic and geometric perspective. They learn to solve linear and quadratic equations as well as how to represent expressions in the Cartesian plane. Students are imbued with a deep understanding of the general concept behind functions and are introduced to several important types of functions. Students are also introduced to the rich field of complex numbers.

MATH COURSE DESCRIPTIONS

GEOMETRY

Prerequisite: Demonstrated proficiency in Algebra 1
Students will explore the foundations of geometry including geometry reasoning, lines, triangle congruence, properties, attributes of triangles, polygons, quadrilaterals, similarity, trigonometry, perimeter, circumference, area, spatial reasoning, circles, and extended transformational geometry.

AoPS GEOMETRY

Prerequisite: Demonstrated proficiency in AoPS Algebra 1
A full course in challenging geometry for students in grades 7-10, including topics such as similar triangles, congruent triangles, quadrilaterals, polygons, circles, funky areas, power of a point, three-dimensional geometry, transformations, introductory trigonometry, and more.

ALGEBRA 2

Prerequisite: Demonstrated proficiency in Geometry
Algebra 2 continues to explore the foundational elements from Algebra 1. Students will explore different types of functions, systems, matrices, conic sections, probability and statistics, sequence, series, trigonometric functions, and trigonometric graphs and identities.

AoPS INTERMEDIATE ALGEBRA

Prerequisite: Demonstrated proficiency in AoPS Geometry
Algebraic subjects covered include advanced quadratics, polynomials, conics, general functions, logarithms, clever factorizations and substitutions, systems of equations, sequences and series, symmetric sums, advanced factoring methods, classical inequalities, functional equations, and more.

MATH COURSE DESCRIPTIONS

PRECALCULUS

Prerequisite: Demonstrated proficiency in Algebra 2

Pre-Calculus is a one school year math curriculum that studies polynomial, rational, logarithmic, and trigonometric functions, with applications to problems in mathematics and the sciences. Successfully completing this course will prepare students for Chemistry, Physics, advanced math classes in high school, and the SAT Math Level 2 subject test.

CALCULUS

Prerequisite: Demonstrated proficiency in Precalculus

Calculus AB is designed to cover the equivalent of one semester of college calculus over the span of a year. Calculus AB covers derivatives, definite integrals, and the fundamental theorem of calculus. This class will take students through the topics covered in AP Calculus.

AoPS PRECALCULUS

Prerequisite: Demonstrated proficiency in AoPS Intermediate Algebra

Our Precalculus class prepares students for a variety of college-level courses. Precalculus provides a deep exploration of trigonometry, complex numbers, and two- and three-dimensional vector spaces, with a special focus on how these areas of mathematics are related. This gives students a solid foundation for collegiate courses in calculus, linear algebra, multi-variable calculus, complex analysis, and physics.

AoPS NUMBER THEORY

Prerequisite: Algebra 1

A thorough introduction for students in grades 7-10 to topics in number theory such as primes & composites, multiples & divisors, prime factorization and its uses, base numbers, modular arithmetic, divisibility rules, linear congruences, how to develop number sense, and more. This may offer in WVA elective STEM class, or being recommended to take in the summer from Sunshine

MATH COURSE DESCRIPTIONS

AoPS PROBABILITY & COUNTING

Prerequisite:
Fundamentals of counting and probability, including casework, multiplication, permutations, combinations, Pascal's triangle, probability, combinatorial identities, and the Binomial Theorem.

MATH PLACEMENT PROCESS

At the beginning of each year, new students are assessed on their current math skills through an online assessment. Math placements will be made utilizing school records, placement scores, and teacher recommendation.

If your student completes additional math courses over the summer, please notify the school as the student will likely need to be assessed again to ensure proper placement.

COMPETITIVE EVENTS

- Math Olympiads for Elementary and Middle Schools (MOEMS)
- Math Kangaroo
- Math League
- MathCounts
- AMC 8/10/12
- AIME
- USAMO
- IMO

SCIENCE PATHWAYS

ABOUT OUR SCIENCE PATHWAYS

Students at WVA will have a chance to learn Science in much more depth than the common core requirements and explore science interests in their early ages. The first two years of science courses are aligned with the typical middle school science curriculum. The Stem Biology, Chemistry or Physics courses in 7th/8th grade will lead students to learn the topics up to the typical curriculum for 9th grade. We support the pathway for students who are highly interested in physics by offering customized competitive physics curriculum in our physics classes.

2 DIFFERENT SCIENCE PATHWAYS

PATHWAY	5TH GRADE	6TH GRADE	7TH GRADE	8TH GRADE
Traditional & Advanced	Interactive Science	Intro to Biology / Chemistry	Stem Biology Or Chemistry	Stem Physics Or Stem Biology
Advanced & Competitive	Introduction to Physics	Intro to Biology / Chemistry	Stem Physics	AP Physics 1 & 2 F=ma Exam

COMPETITIVE EVENTS

WVA supports for students to participate in the following competitive events:

- Northwest Regional Middle School Science Bowl
- Northwest Science Expo
- 3M Young Scientist Challenge
- F=ma Contest
- Nasa Projects for Middle/High School

SCIENCE COURSE DESCRIPTIONS

INTERACTIVE SCIENCE

Prerequisite: None

This course will introduce students to various science topics. Through highly relevant social contexts, students develop and use key concepts of physics and chemistry experimentally to explore the critical roles of energy and water in their lives. Throughout the year, students investigate, hypothesize, work cooperatively, reach conclusions, analyze and compare results, and use their natural curiosity to engage in the spirit of scientific inquiry as they develop a working definition of environmental sustainability and how the physical and living environments are intertwined.

INTRODUCTION TO BIOLOGY/CHEMISTRY

Prerequisite: PreAlgebra

Our 6th grade students will begin the study of the living world in this course. Over the year, students will be first exploring five major themes in Biology: Chemistry of Life, Cell Structure and Function, Genetics, Evolution, and Ecology. They will then move through the Chemistry of Life Unit, Cell Structure/Function unit and will finally be introduced to Genetics. To learn key course concepts, students will participate in lab experiments, study and analyze data collected in the field and lab and ultimately implement project-based learning, collaboration, written reflections and discussions.

BIOLOGY & STEM BIOLOGY

Prerequisite: Algebra 1

This class gives young students a strong foundation in the scientific discipline of biology. Students will learn about taxonomy, cell structure and types of cells, photosynthesis, plant structure, and life cycles, single-celled organisms and how they move and eat, the life cycle of the frog, the life cycle of the butterfly, and ecosystems. and more, sparking curiosity and fostering a lifelong love for biology—the study of life.

SCIENCE COURSE DESCRIPTIONS

CHEMISTRY & STEM CHEMISTRY

Prerequisite: Algebra 1

In this course, students study the fundamentals of chemistry across a wide range of topics, including scientific method, phase changes, properties of gases, kinetic molecular theory, mass spectrometry, atomic structure, periodic properties, Lewis structures, intermolecular forces, chemical reactions and reactivity, properties of solutions, thermo-chemistry, mechanistic kinetics, equilibrium, acids and bases, electrochemistry, and thermodynamics. When possible, experimental evidence will be used to construct models of chemical behavior.

INTRODUCTION TO PHYSICS

Prerequisite: Demonstrated PreAlgebra

This course enables students to study the fundamentals of physics across a wide range of topics, including mechanics, heat, waves, sound, light, electricity, and magnetism. The course encourages the development of creative and logical thought and problem-solving. It will present opportunities for student-developed experimental design and data analysis and make use of student computer skills.

STEM PHYSICS

Prerequisite: Algebra 1 & Geometry

This is a one year course for typical freshmen in high school to get ready to take the AP physics 1 and 2. The curriculum is corresponding to the first-year high school STEM physics. It's a great class for students who have learned advanced math and therefore use math to solve complex and interesting real-world problems.

(1) To build a solid conceptual understanding of physics.

(2) To apply math skills to solve Physics problems.

(3) To prepare students for AP/IB Physics classes in High School.

SCIENCE COURSE DESCRIPTIONS

AP PHYSICS 1 & 2, F=ma Exam

Prerequisite: Demonstrated proficiency in Conceptual Physics and Geometry

AP Physics 1 is equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It also introduces electric circuits.

AP Physics 2 is equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics; thermodynamics; electricity and magnetism; and atomic and nuclear physics.

Lastly, this course will support students to take F= ma exam. F=ma is an annual physics competition organized by the American Association of Physics Teachers.

PHYSICS C

Prerequisite: Demonstrated proficiency in AP Physics 1 & 2
AP Physics C: Mechanics is a calculus-based, college-level physics course, especially appropriate for students planning to specialize or major in one of the physical sciences or engineering. Students cultivate their understanding of physics through classroom study and activities as well as hands-on laboratory work as they explore concepts like change, force interactions, fields, and conservation.

HUMANITIES PATHWAY

ABOUT OUR HUMANITIES PATHWAY

We believe that reading and writing are the core enterprises that make all intellectual growth and exploration possible. With that belief in mind, we employ a relatively simple pedagogical model: we ask our students to read important literature of gradually increasing complexity and depth; we discuss these texts together in a way that teaches students how to dig for understanding and interpretive meaning; and we ask our students to practice various modes of writing in order to learn to express themselves clearly and thoughtfully. In this way we provide our students the tools they need to explore the creative and intellectual possibilities of their world and to know themselves in it.

HUMANITIES PATHWAY

PATHWAY	5TH GRADE	6TH GRADE	7TH GRADE	8TH GRADE
Traditional	Humanities 5	Humanities 6	Humanities 7	Humanities 8
Honor / Advanced				Honor Humanities 8

SUBJECTS COVERED IN HUMANITIES

Over the course of four years, students will be exposed to the following subjects that are integrated within every Humanities course:

- Reading
- Writing
- Grammar
- Geography
- History
- Social Studies

HUMANITIES COURSE DESCRIPTIONS

HUMANITIES 5

Prerequisite: None
5th Grade students will focus on improving reading and writing skills with specific emphasis on building their vocabulary, grammar, and literary analysis skills. This course will provide an enriched workshop for students as they develop these skills. The central concern of Grade 5 English is to learn to pay close attention to language, as both readers and writers.

HUMANITIES 6

Prerequisite: Demonstrated proficiency in Humanities 5
6th Grade students continue to be encouraged to read deeply and accurately, but they are challenged now to assemble all those observations into interpretations. Students in English 6 are increasingly encouraged to present independent and different opinions about the meaning of what they read; cheerful disagreements in class and on paper become much more common.

HUMANITIES 7

Prerequisite: Demonstrated proficiency in Humanities 6
7th Grade students will continue to focus on improving their reading and writing skills with specific focus on the art of claim-making in all its forms (analytical, certainly, but also creative). The goal is to hand our students off to English 8 ready to assert a more mature intellectual independence.

HUMANITIES 8

Prerequisite: Demonstrated proficiency in Humanities 7
8th grade students will focus on expression, the importance of generating an effective thesis statement, the use of quotations in writing, the benefit of varied and dynamic vocabulary choices, etc. and are tasked with the challenge of integrating all these skills. Students will take the PSAT 8/9 Reading/Writing to see the areas where they are on track for success in college

COMPUTER SCIENCE PROGRAM

ABOUT OUR COMPUTER SCIENCE PROGRAM

Willamette Valley Academy offers a comprehensive computer science program for all grade levels. Students begin learning Python programming in 5th grade with an opportunity to participate in competitions. Our ACSL programming contest teams begin with the elementary division and continue through the ACSL programming contest for junior division. We also support our students to learn programming and algorithms based on different projects and applications in senior years at WVA.

COMPUTER SCIENCE PATHWAY

PATHWAY	YEAR 1	YEAR 2	YEAR 3	YEAR 4
Traditional & Advanced	Coding	Programming 1 Python	Programing 2 Algorithms	AP CS A: OOP with Java
Competitional	Python/ACSL	Programming 1 ACSL Junior	Programing 2 ACSL/USACO	Algorithm with C++ for ACSL/USACO
More Options	Programming	Computer Architecture	CyberSecurity	Introduction to AI

COMPETITIONS IN COMPUTER SCIENCE

WVA supports for students to participate in the following competitive events:

- American Computer Science League (https://www.acsl.org)
- USA Computing Olympiad (https://usaco.org)
- National Youth Cyber Security Education - AFA CyberPatriot
- World AI Competition for Youth (WAICY)
- Intel's AI Impact Creators

COMPUTER SCIENCE COURSE DESCRIPTIONS

CODING WITH ACSL ELEM DIVISION

Prerequisite: PreAlgebra or Learning PreAlgebra
Students are introduced to the world of coding in this course. Throughout the year, students will collaboratively work with their teacher to understand the fundamentals of coding as they prepare to study Python in future years. Students who finished PreAlgebra will have the ability to begin studying Python 1 in 5th grade.

Programming 1

Prerequisite: Demonstrated proficiency in Prealgebra
Students continue to be introduced to the world of coding in this course. Throughout the year, students will collaboratively work with their teacher to apply the fundamentals of coding to Python 1. Students who have finished PreAlgebra will have the ability to begin studying Python 1 in 6th grade. In Python 1, students will begin to learn about data structure.

Programming 2

Prerequisite: Demonstrated proficiency in Programming 1
This course is a continuation of the python programming language for students with prior programming experience. Students may optionally participate in different levels of ACSL programming competitions. In Programming 2, students will buildup algorithms.

PROGRAMMING W/ C++ AND JAVA

Prerequisite: Demonstrated proficiency in Programming 2
This course is for students who already have some prior programming experience but would like to start programming with C++. C++ is an efficient programming language. Students will learn the algorithms in much more depth. Object-Oriented Programming will be introduced too. Students may optionally participate in different level of ACSL programming competitions and start to explore the USACO competitions.

ELECTIVE OPTIONS

ABOUT OUR ELECTIVES

Students who attend Willamette Valley Academy have a wide range of electives to choose from. The elective options are designed to provide students with opportunities to apply core concepts in a competitive environment, learn additional languages (reading, writing, and speaking), and introduce and give students skills in high-wage, high-demand career fields such as information technology. Our electives offer students an opportunity to build community within their advisory courses, participate in exercise classes, and manage coursework through study hall periods.

ELECTIVE OPTIONS

5TH GRADE	6TH GRADE	7TH GRADE	8TH GRADE
Speech and Debate	Speech and Debate	Speech and Debate	Speech and Debate
PE	PE	PE	PE
Computer Science	Computer Science	Computer Science	Computer Science
Chinese 1	Chinese 1/2	Chinese 2/3	Chinese 3/4
Spanish 1	Spanish 1/2	Spanish 2/3	Spanish 3/4
Advisory	Advisory	Advisory	Advisory
Art/Music	Art/Music	Art/Music	Art/Music
Stem Competitions	Stem Competitions	Stem Competitions	Stem Competitions
CogAT Training	Newspaper & Leadship	Newspaper & Leadship	Newspaper & Leadship
Study Hall	Study Hall	Study Hall	Study Hall

ELECTIVE COURSE DESCRIPTIONS

CogAT Training

Prerequisite: Enrolled in 5th Grade

CogAT Training at Sunshine Elite afterschool program is not only offering our 5th graders to prepare the test if needed, but also boosting students' cognitive ability by building logical and critical thinking via our customized training materials. This class is free to WVA 5th graders as needed.

STEM COMPETITIONS

Prerequisite: Open to all students

The Math, Science, and Programming Courses at WVA are crafted to expand students' interests in STEM fields, deepen their domain knowledge, and prepare them for various levels of competition, ranging from local to international. Collaborating with our expert teachers, students refine their math, science, and technology skills while engaging in competitional problems or science projects tailored to enhance their success in STEM competitions.

SPEECH AND DEBATE

Prerequisite: Mandatory for all students

Speech: Participants build their confidence speaking in front of others and completing skill achievements. Students will also write a prepared speech with guidance from the instructor. He or she will also learn how to critique the speeches of others in a helpful and positive manner.

Debate: Participants will learn to assemble an argument and present it in the Lincoln-Douglas debate style. This type of debate challenges students to understand the conflicting human values that stand behind opposing policies.

Debate Learning Targets:

- Understand Values
- Learn debate methods. Example: Maslow's Hierarchy of Needs
- Practice the routine for LD debate

ELECTIVE COURSE DESCRIPTIONS

SPANISH 1/2/3

Prerequisite: Open to all students
In Spanish 1, students are introduced to the basic concepts of Spanish. They will begin to explore vocabulary in writing and verbal form. As students progress through the course, they will develop how to write and speak Spanish at an introductory level. Students will also spend time learning about the cultures that speak Spanish to gain a deeper understanding of the language and those who embrace this language.

After Spanish 1 class, students may continue to refine their Spanish skills by enrolling in Spanish 2 and Spanish 3 classes

CHINESE 1/2/3/4

Prerequisite: Open to 5th and 6th Graders
Starting with Chinese 1, students are introduced to basic concepts of Chinese. They will begin to explore vocabulary in writing and verbal form. As students progress through the course, they will develop how to write and speak Chinese at an introductory level. Students will also spend time learning about the Chinese culture to gain a deeper understanding of the language and culture.

After Chinese 1, students may continue to learn another 3 years of Chinese at WVA, which will fully prepare them to be ready to take Chinese level 4 and then AP Chinese in high school.

PHYSICAL EDUCATION

Prerequisite: Mandatory for all students
Willamette Valley Academy provides physical education to students for practicing and developing skills in various activities that will help students maintain fitness throughout their life. Students will discover the importance of exercise and health.

ELECTIVE COURSE DESCRIPTIONS

STUDY HALL

Prerequisite: Open to all students/One Study Hall Per Year

Students will have the option of choosing one study hall period as an elective. This is an opportunity for students to work quietly on academic tasks, read, or visit teachers in the building if they have additional questions on assignments. This is an additional opportunity for students to work in their groups to continue preparing for competitions.

ADVISORY

Prerequisite: Mandatory for all students

The primary purposes of advisory is to help students succeed in their middle school career and give students an opportunity to connect with their teachers and peers. Students will meet once a week to build a strong community and have a sense of belonging within the school.

DAILY SCHEDULE

ABOUT OUR SCHEDULES

All math courses are designed to take place at the same time across all grade levels. This allows students to transfer to the appropriate math course based off proficiency rather grade level. Schedules are subject to change each year but this is a general layout of each grade level.

5TH GRADE SCHEDULE

	Monday	Tuesday	Wednesday	Thursday	Friday
9:00 -10:10	Interactive Science	Interactive Science	Interactive Science	Interactive Science	Interactive Science
10:15 - 11:15	Math 5/ PreAlgebra	Math 5/ PreAlgebra	Math 5/ PreAlgebra	Math 5/ PreAlgebra	Math 5/ PreAlgebra
11:20 - 12:20	Humanities 5	Humanities 5	Humanities 5	Humanities 5	Humanities 5
12:20 - 12: 50	Lunch	Lunch	Lunch	Lunch	Lunch
12:55 - 1:55	Advisory	Spanish 1, Chinese 1, or Programming 3	MathCounts I .or. Speech II .or. Study Hall	Programming 3 .or. Chinese 1 .or. Spanish 1	MathCounts II .or. Speech I .or. Study Hall
2:00 - 3:00	PE (1:30-3) .or. Python 2	Python 1 .or. Chinese 2 .or. Spanish 3	PE (2-3) .or. Science Bowl	Python 1 .or. Chinese 3 .or. Spanish 2	Science Bowl .or. Art .or. Study Hall
Extra Options	Beast Academy 4/5; AoPS PreAlgebra to PreCalculus; Robotics FLLC and FTC competition teams via Sunshine Elite. WVA students have a special 60% discount to take classes offered by Sunshine Elite.				

6TH GRADE SCHEDULE

	Monday	Tuesday	Wednesday	Thursday	Friday
9:00 -10:10	Algebra 1	Algebra 1	Algebra 1	Algebra 1	Algebra 1
10:15 - 11:15	Humanities	Humanities 6	Humanities 6	Humanities 6	Humanities 6
11:20 - 12:20	Science	Intro to Bio/Chem	Intro to Bio/Chem	Intro to Bio/Chem	Intro to Bio/Chem
12:20 - 12: 50	Lunch	Lunch	Lunch	Lunch	Lunch
12:55 - 1:55	Advisor (12:55-1:25)	Programming 3 .or. Chinese 1 .or. Spanish 1	MathCounts I .or. Speech II .or. Study Hall	Programming 3 .or. Chinese 1 .or. Spanish 1	MathCounts II .or. Speech I .or. Study Hall
2:00 - 3:00	PE (1:30-3) .or. Python 2	Python 1 .or. Chinese 2 .or. Spanish 3	PE (2-3) .or. Science Bowl	Python 1 .or. Chinese 3 .or. Spanish 2	Science Bowl .or. Art .or. Study Hall
Extra Options	Beast Academy 4/5; AoPS PreAlgebra to PreCalculus; Robotics FLLC and FTC competition teams via Sunshine Elite. WVA students have a special 60% discount to take classes offered by Sunshine Elite.				

DAILY SCHEDULE

7TH GRADE SCHEDULE

	Monday	Tuesday	Wednesday	Thursday	Friday
9:00 -10:10	Geometry	Geometry	Geometry	Geometry	Geometry
10:15 - 11:15	Stem Bio or Physics	Stem Bio or Physics	Stem Bio or Physics	Stem Bio or Physics	Stem Bio or Physics
11:20 - 12:20	Humanities 7	Humanities 7	Humanities 7	Humanities 7	Humanities 7
12:20 - 12: 50	Lunch	Lunch	Lunch	Lunch	Lunch
12:55 - 1:55	Advisor (12:55-1:25)	Programming 3 .or. Chinese 1 .or. Spanish 1	MathCounts I .or. Speech II .or. Study Hall	Programming 3 .or. Chinese 1 .or. Spanish 1	MathCounts II .or. Speech I .or. Study Hall
2:00 - 3:00	PE (1:30-3) .or. Python 2	Python 1 .or. Chinese 2 .or. Spanish 3	PE (2-3) .or. Science Bowl	Python 1 .or. Chinese 3 .or. Spanish 2	Science Bowl .or. Art .or. Study Hall
Extra Options	Beast Academy 4/5; AoPS PreAlgebra to PreCalculus; Robotics FLLC and FTC competition teams via Sunshine Elite. WVA students have a special 60% discount to take classes offered by Sunshine Elite.				

8TH GRADE SCHEDULE

	Monday	Tuesday	Wednesday	Thursday	Friday
9:00 -10:10	Algebra 2	Algebra 2	Algebra 2	Algebra 2	Algebra 2
10:15 - 11:15	Stem Bio or Physics	Stem Bio or Physics	Stem Bio or Physics	Stem Bio or Physics	Stem Bio or Physics
11:20 - 12:20	Humanities 8	Humanities 8	Humanities 8	Humanities 8	Humanities 8
12:20 - 12: 50	Lunch	Lunch	Lunch	Lunch	Lunch
12:55 - 1:55	Advisor (12:55-1:25)	Programming 3 .or. Chinese 1 .or. Spanish 1	MathCounts I .or. Speech II .or. Study Hall	Programming 3 .or. Chinese 1 .or. Spanish 1	MathCounts II .or. Speech I .or. Study Hall
2:00 - 3:00	PE (1:30-3) .or. Python 2	Python 1 .or. Chinese 2 .or. Spanish 3	PE (2-3) .or. Science Bowl	Python 1 .or. Chinese 3 .or. Spanish 2	Science Bowl .or. Art .or. Study Hall
Extra Options	Beast Academy 4/5; AoPS PreAlgebra to PreCalculus; Robotics FLLC and FTC competition teams via Sunshine Elite. WVA students have a special 60% discount to take classes offered by Sunshine Elite.				

DAILY SCHEDULE

HONOR 8TH GRADE SCHEDULE

	Monday	Tuesday	Wednesday	Thursday	Friday
9:00 -10:10	Competition/ Calculus	Competition/ Calculus	Competition/ Calculus	Competition/ Calculus	Competition/ Calculus
10:15 - 11:15	Honor Humanities 8	Honor Humanities 8	Honor Humanities 8	Honor Humanities 8	Honor Humanities 8
11:20 - 12:20	AP Physics	AP Physics	AP Physics	AP Physics	AP Physics
12:20 - 12: 50	Lunch	Lunch	Lunch	Lunch	Lunch
12:55 - 1:55	Advisor (12:55-1:25)	Programming 3 .or. Chinese 1 .or. Spanish 1	MathCounts I .or. Speech II .or. Study Hall	Programming 3 .or. Chinese 1 .or. Spanish 1	MathCounts II .or. Speech I .or. Study Hall
2:00 - 3:00	PE (1:30-3) .or. Python 2	Python 1 .or. Chinese 2 .or. Spanish 3	PE (2-3) .or. Science Bowl	Python 1 .or. Chinese 3 .or. Spanish 2	Science Bowl .or. Art .or. Study Hall
Extra Options	Beast Academy 4/5; AoPS PreAlgebra to PreCalculus; Robotics FLLC and FTC competition teams via Sunshine Elite. WVA students have a special 60% discount to take classes offered by Sunshine Elite.				

AFTER-SCHOOL PROGRAM

Willamette Valley Academy Grade 5-8 students can take Sunshine Elite Education courses with a exclusive special discount rate. Students can transition seamlessly to our after school program to continue learning from 3:00-5:00. If students choose to not attend classes, they can participate in a supervised academic homework club from 3:00-5:00, free of charge as well.