

7-12 Grade Class Descriptions

Teacher	Class/ Time	Description
Michele LaMachio	Literature – Tues 8:00-9:00	<p><u>Realism to Modern Period (1850-1955)</u> <u>Grades:</u> 9-12 <u>High School Credit:</u> 1 (if combined with AOR equals an honors class 1.5 credit) (Literature, Writing, English) Realism to Modern Period (1850-1955) is a 36-week program requiring the reading of the following texts (for a description of the work, click on the title): The Law, A Southside View of Slavery, The Red Badge of Courage, Selected Stories of Bierce, The Sack and Destruction of Columbia, SC, Up from Slavery, Selected Stories of Twain, Selected Stories of Tolstoy, Arms and the Man, The Autobiography of an Ex-Colored Man, The Importance of Being Earnest, World War I British Poets, This Side of Paradise, Selected Poems of Frost, I'll Take My Stand, The Pearl, Animal Farm, and The Mouse That Roared.</p> <p>This literature class should be combined with the Age of Revolution history course. By combining the history and literature study, this includes a comprehensive high school language arts program that covers literature, grammar, vocabulary, history, geography and composition skills. <u>Homework:</u> 3-5 hrs/wk <u>Registration:</u> Fall & Spring Semesters <u>Curriculum:</u> Smarr Later Realism to Modern Period curriculum & book set (LIFE students get a discount on curriculum), Editor-In-Chief C1, Easy Grammar Ultimate Series (choose grade level) <u>Supply Fee -</u> \$30.00 <u>Class Fee:</u> \$210.00</p>
Michele LaMachio	Biology Lecture – Tues 9:00-10:00 Biology Lab – Thurs 11:30-1:00	<p><u>Apologia Biology and Lab</u> <u>Grades:</u> 8-12 <u>High School Credit:</u> 1 <u>Class Description:</u> This course is designed to be the student's first high school science course and is a college-prep biology course that introduces the methods and concepts of general biology. Heavily emphasizing the vocabulary of biology, it provides the student with a strong background in the scientific method, the five-kingdom classification scheme, microscopy, biochemistry, cellular biology, molecular and Mendelian genetics, evolution, dissection, and ecosystems. It also provides a complete survey of the five kingdoms in Creation. There will be several field trips. Students will be prepared for MS Biology Exit Exam 1.5 hr lab <u>Homework:</u> 3-4 hrs/wk <u>Curriculum:</u> Apologia Biology 2nd Edition text/test manual <u>Registration:</u> Fall and Spring Semester – must register for the year <u>Supplies Needed:</u> Lab Coat, Safety Goggles. <u>Supply fee:</u> \$40.00 <u>Class Fee:</u> \$520.00</p>
Michele LaMachio	Physics Lecture – Tues 10:00-11:00 Physics Lab –	<p><u>Physics Lecture & Lab</u> <u>Grades:</u> 10-12 <u>High School Credit:</u> 1 <u>Class Description:</u> This college-prep physics course is designed for the student who has completed algebra and has had an</p>

	Thurs 10:00 – 11:30	<p>introduction to the definitions of sine, cosine, and tangent. It introduces the methods and concepts of general physics, heavily emphasizing vector analysis. It provides the student with a strong background in one-dimensional and two-dimensional motion, Newton's laws and their application, gravity, work and energy, momentum, periodic motion, waves, optics, electrostatics, electrodynamics, electrical circuits, and magnetism. Technical writing is enhanced through lab reports 1.5 hr lab</p> <p><u>Prerequisite:</u> Algebra I, Geometry and basic Trig functions</p> <p><u>Curriculum:</u> Apologia Physics 2nd Edition text/test manual</p> <p><u>Homework:</u> 3-4 hrs/wk</p> <p><u>Registration:</u> Fall and Spring Semester – must register for the year</p> <p><u>Supply fee:</u> \$55.00</p> <p><u>Class Fee:</u> \$520.00</p> <p>*Alternates yearly with Apologia Advanced Biology 2011-2012</p>
Michele LaMachio	<p>Chemistry Lecture – Tues 11:00-12:00</p> <p>Chemistry Lab – Thurs 8:30-10:00</p>	<p><u>Apologia Chemistry and Lab</u></p> <p><u>Grades:</u> 9-12</p> <p><u>High School Credit:</u> 1</p> <p><u>Class Description:</u> The course covers significant figures, units, classification, the mole concept, stoichiometry, thermochemistry, thermodynamics, kinetics, acids and bases, redox reactions, solutions, atomic structure, Lewis structures, molecular geometry, the gas laws, and equilibrium. Technical writing is enhanced through lab reports. 1.5 hr lab</p> <p><u>Prerequisite:</u> Algebra I</p> <p><u>Curriculum:</u> Apologia Chemistry 2nd Edition text/test manual</p> <p><u>Homework:</u> 2-3 hrs/wk</p> <p><u>Supplies Needed:</u> Lab Coat, Safety Goggles</p> <p><u>Registration:</u> Fall and Spring Semester – must register for the year</p> <p><u>Supply fee:</u> \$70.00</p> <p><u>Class Fee:</u> \$520.00</p>
Michele LaMachio	Tues 12:00-1:00	<p><u>Personal Finance/Stock Club/Economics</u></p> <p><u>Grades:</u> 9-12</p> <p><u>High School Credit:</u> 1</p> <p><u>Class Description:</u> Learn about establishing a checking and savings account, writing checks, setting up a budget, tithing, avoiding impulse spending, getting a job and writing a resume, buying a car (lots of helpful tips in there!), and financing college. We will also learn about the stock market and participate in the Stock Market Game in the Fall and Spring. We will compete against other schools by paper trading with \$100,000.00.</p> <p><i>Economics: Principles in Action</i> is a multi-dimensional program designed to help students of all abilities achieve fundamental understanding of core economic principles. Key concepts, based on the twenty content standards of the National Council on Economic Education (NCEE), are developed throughout the program—through text, graphics, transparencies, videos, and online resources—and supported by a variety of activities to help students apply their new knowledge to the real world. Read “Rich Dad, Poor Dad and the Cash Flow Quadrant.”</p> <p><u>Homework:</u> 2-3 hrs/wk</p> <p><u>Curriculum:</u> Economics - Principles in Action isbn10: 0131334832, “Rich Dad, Poor Dad and the Cash Flow Quadrant.”</p>

		<p><u>Registration:</u> Fall & Spring Semesters <u>Class Fee:</u> \$210.00</p>
Michele LaMachio	Tues 1:00-2:00	<p><u>Destination Imagination</u> <u>Grades:</u> 9-12 <u>High School Credit:</u> 1 – Fine Arts elective <u>Class Description:</u> The Destination ImagiNation® (or DI™) program is a process-based program grounded in sound creative problem solving theory that helps young people build lifelong skills in creative and critical thinking, teamwork, time management, and problem solving. Up to seven participants work together as a team to create their solution to a <i>Team Challenge</i>, which can have a focus that is theatrical, structural, improvisational, scientific, or technical. Teams also learn and practice creative quick-thinking skills for the <i>Instant Challenge</i> portion of the program. Destination ImagiNation helps young people learn in a fun and supportive environment, and the valuable skills they have acquired will be with them for a lifetime. There are Regional, State and Global Competitions. <u>Fees:</u> Tuition free Registration fees, t-shirts, travel costs for competitions required. Fundraising required <u>Registration:</u> Fall & Spring Semesters <u>Requirement:</u> No member age 19 by 6/15/11</p>
Michele LaMachio	Thurs – 12:30-1:30	<p><u>Age of Revolution</u> <u>Grades:</u> 9-12 <u>High School Credit:</u> 1 (if combined with Realism to Modern Period Literature equals an honors class 1.5 credit) (History, Literature, Writing, English) <u>Class Description:</u> 1st semester we will complete our chronological review of World History 1850-present, then move into an in depth review of American History to present in the 2nd semester. <u>Homework:</u> 3-5 hrs/wk <u>Registration:</u> Fall & Spring Semesters <u>Curriculum:</u> 1st semester – World History: The Human Odyssey by Spielvogel) (ISBN 0-314-20561-6), 2nd semester – America: Past and Present by Divine (ISBN 0-321-18309-6) – these books can be bought used. <u>Supply Fee:</u> \$20.00 <u>Class Fee:</u> \$210.00</p>
Ed Morse	Thurs – 12:30 – 1:30	<p><u>Music Appreciation</u> <u>Grades:</u> 7-12 <u>High School Credit:</u> 0.5 <u>Class Description:</u> Interested in immersing your child to a variety of music-from Bach to the Beatles? Music Appreciation is an exciting new addition to the LIFE program. This once a week class focuses on music from the 16th century to the present day. Emphasis is placed on the lives and music of great masters like Bach, Mozart, and Beethoven. Students will learn to identify melody, harmony, form, and individual instruments-the components that make great music great! This course is open to</p>

		<p>all students 7-12; no prior musical training is required. <u>Homework:</u> 2-3 hrs/wk <u>Registration:</u>Fall Semester Min. enrollment 8. <u>Class Fee:</u> \$210.00</p>
Ed Morse	Thurs – 12:30 – 1:30	<p><u>Music Theory</u> <u>Grades:</u> 7-12 <u>High School Credit:</u> 0.5 <u>Class Description</u> Music Theory goes more in depth into the nuts and bolts of music. Students will learn to identify notes, scales, modes, chords, and other musical tools. Students will compose original compositions. This intermediate level class is open to students who have taken music appreciation, one year of private study on an instrument, or DeSoto Co. Intermediate Band. <u>Homework:</u> 2-3 hrs/wk <u>Registration:</u>Spring Semester Min. enrollment 4. <u>Class Fee:</u> \$210.00</p>
Ed Morse	Thurs – 1:30-2:30	<p><u>Computer IV</u> Sound Editing & Javascript programming More details coming soon <u>Class Fee:</u> \$320.00</p>
Susan Grimm	Thurs – 10:00-11:00	<p><u>ACT Prep/College 101</u> <u>Grades:</u> 9-12 <u>High School Credit:</u> ½ <u>Class Description:</u> This newly revised and thoroughly updated edition prepares students for the American College Testing Program Assessment, which is the required college entrance exam at many leading schools. In-depth subject reviews cover all test areas: English, Mathematics, Reading, and Science Reasoning. This edition also includes a new, comprehensive guide tailored specifically for students planning to take the optional ACT Writing Test, which is being introduced during the 2004–05 school years. The manual contains an overview of the ACT, a diagnostic test, and three full-length model ACTs with all questions answered and explained. Other features included added practice exercises, study advice, and test-taking strategies for success. The book comes with a CD-ROM, which simulates test-taking conditions, offering computerized versions of the tests with automatic scoring. <u>Registration:</u>Fall Semester <u>College 101</u> <u>Class Description:</u> Students will review time management techniques and goal setting, GPA and transcript creation, budgeting, note taking and listening skills, memory and concentration exercises, learning styles inventory, textbook reading and speed reading skills, and Nelson-Denny Reading test. <u>Homework:</u> 2-3 hrs/wk <u>Curriculum:</u>The REAL ACT Prep Guide, “The 7 Habits of Highly Effective Teens” ISBN 0-68485609-3, “The 6 Most Important</p>

		<p>Decisions You'll Ever Make" ISBN 0-7432-6504-1. & On Course ISBN 0-618-37977-0</p> <p><u>Registration:</u>Spring Semester</p> <p><u>Copy Fee:</u> \$30.00</p> <p><u>Class Fee:</u> \$210.00</p>
Whitney Stone	Tues – 9:00-10:00	<p><u>Trigonometry/Pre-Calculus</u></p> <p><u>Grades:</u> 7-12</p> <p><u>High School Credit:</u> 1</p> <p><u>Class Description:</u> Trigonometry/Pre-Calculus concepts will be reviewed.</p> <p>Students will work with teacher on concept problems, test taking skills, extra word problems including homework review and in class .</p> <p><u>Homework:</u> 3-5 hrs/week</p> <p><u>Curriculum:</u>Teaching Textbooks</p> <p><u>Registration:</u>Fall & Spring Semester</p> <p><u>Class Fee:</u> \$210.00</p>
Whitney Stone	Tues – 10:00-11:00	<p><u>Geometry Class</u></p> <p><u>Grades:</u> 7-12</p> <p><u>High School Credit:</u> 1</p> <p><u>Class Description:</u> Geometry concepts will be reviewed.</p> <p>Students will work with teacher on concept problems, test taking skills, extra word problems including homework review and in class .</p> <p><u>Homework:</u> 3-5 hrs/week</p> <p><u>Curriculum:</u>Teaching Textbooks</p> <p><u>Registration:</u>Fall & Spring Semester</p> <p><u>Class Fee:</u> \$210.00</p>
Whitney Stone	Tues – 12:00-1:00	<p><u>Algebra 1</u></p> <p><u>Grades:</u> 7-12</p> <p><u>High School Credit:</u> 1</p> <p><u>Class Description:</u> Pre-Algebra concepts will be reviewed.</p> <p>Students will work with teacher on concept problems, test taking skills, extra word problems including homework review and in class . Test preparation for MS exit exam and administration of MS Exit exam will also be offered.</p> <p><u>Homework:</u> 3-5 hrs/week</p> <p><u>Curriculum:</u>Teaching Textbooks</p> <p><u>Registration:</u>Fall & Spring Semester</p> <p><u>Class Fee:</u> \$210.00</p>
Whitney Stone	Tues – 1:00-2:00	<p><u>Pre-Algebra Class</u></p> <p><u>Grades:</u> 7-12</p> <p><u>High School Credit:</u> 1</p> <p><u>Class Description:</u> Pre-Algebra concepts will be reviewed.</p> <p>Students will work with teacher on concept problems,</p>

		<p>test taking skills, extra word problems including homework review and in class .</p> <p><u>Homework:</u> 3-5 hrs/week</p> <p><u>Curriculum:</u>Teaching Textbooks</p> <p><u>Registration:</u>Fall & Spring Semester</p> <p><u>Class Fee:</u> \$210.00</p>
Whitney Stone	Tues – 9:00-10:00	<p><u>Algebra 2</u></p> <p><u>Grades:</u> 7-12</p> <p><u>High School Credit:</u> 1</p> <p><u>Class Description:</u> Pre-Algebra concepts will be reviewed. Students will work with teacher on concept problems, test taking skills, extra word problems including homework review and in class .</p> <p><u>Homework:</u> 3-5 hrs/week</p> <p><u>Curriculum:</u>Teaching Textbooks</p> <p><u>Registration:</u>Fall & Spring Semester</p> <p><u>Class Fee:</u> \$210.00</p>
Julie Zammit	Thurs – 11:00-12:00	<p><u>Latin 1A & 1B</u></p> <p><u>Grades:</u> 9-12</p> <p><u>High School Credit:</u> 1.0</p> <p><u>Class Description:</u> Cambridge Latin Course is an introductory program organized into four well-integrated units. Cambridge's proven approach includes a stimulating continuous story line, interwoven grammatical development and cultural information, supportive illustrations and photographs, and a complete Language Information section. Reading is the heart of the Cambridge Latin Course, and all the elements of the program - illustrations, vocabulary, grammar and syntax, cultural contexts and references, activities - are carefully introduced and arranged to provide students with the skills they need to read with comprehension and enjoyment from the very first page</p> <p><u>Homework:</u> 2-3 hrs/wk</p> <p><u>Curriculum:</u> Cambridge Latin Course Book 1 & 2, Student's Text North American edition and workbooks</p> <p><u>Registration:</u>Fall & Spring Semester</p> <p><u>Copy Fee:</u> \$15.00</p> <p><u>Class Fee:</u> \$210.00</p>
David Hirschfeld	Thurs – 9:00 – 10:00	<p>Computer I – see description at Class Description webpage</p> <p><u>Class Fee:</u> \$320.00</p>
David Hirschfeld	Thurs – 10:00 – 11:00	<p>Computer II – see description at Class Description webpage</p> <p><u>Class Fee:</u> \$320.00</p>
David Hirschfeld	Thurs – 11:00 – 12:00	<p>Computer III – see description at Class Description webpage</p> <p><u>Class Fee:</u> \$320.00</p>
Angela Gotera	Tues – 1:00-2:00 Thurs – 10:00-11:00	<p><u>Spanish I</u></p> <p><u>Grades:</u> 7-12</p> <p><u>High School Credit:</u> 1</p>

		<p><u>Class Description:</u> <i>REALIDADES</i> is a standards-based Spanish curriculum that balances grammar and communication. The program offers technology designed to integrate language and culture to teach and motivate all students.</p> <p><u>Homework:</u> 3-5 hrs/week</p> <p><u>Curriculum:</u> REALIDADES Level 1 text and Practice Workbook</p> <p><u>Registration:</u>Fall & Spring Semester</p> <p><u>Class Fee:</u> \$400.00</p>
Angela Gotera	Tues – 2:15-3:15 Thurs – 11:30-12:30	<p><u>Spanish II</u></p> <p><u>Grades:</u> 7-12</p> <p><u>High School Credit:</u> 1</p> <p><u>Class Description:</u> <i>REALIDADES</i> is a standards-based Spanish curriculum that balances grammar and communication. The program offers technology designed to integrate language and culture to teach and motivate all students.</p> <p><u>Homework:</u> 3-5 hrs/week</p> <p><u>Curriculum:</u> REALIDADES Level 2 text and Practice Workbook</p> <p><u>Registration:</u>Fall & Spring Semester</p> <p><u>Class Fee:</u> \$400.00</p>
Ed Morse	Tues & Thurs – 2:30-3:30	Beginning Band – see description under Extension programs
Ed Morse	Tues & Thurs – 3:30-4:30	Intermediate Band – see description under Extension programs
Michele LaMachio	Wed – 10:00 – 11:30	Ballet II – see see description under Extension programs
Patti Doole	Tues – 2:30-3:30	Sewing - see see description under Extension programs
Newsletter Committee	Meet the 3 rd Thurs/month 4:30-5:30	Newsletter Committee is responsible for planning, writing, layout of a monthly newsletter. High schoolers can earn 0.5 credits toward a journalism credit.
Science Fair Projects Timeline Meeting	Meet 2 nd Thurs/month 4:30-5:30 until March	Students will brainstorm Science Fair Projects and then have project deadlines toward completing their projects. They will be guided through the paperwork process, abstracts etc.. to prepare for the LIFE Science Fair, and MS Regional Science Fair. If they place they can continue to State then International.