



UPTON MIDDLE SCHOOL

6TH GRADE • 2018-19 COURSE DESCRIPTION GUIDE

CORE CLASSES

Language Arts 6 Year-Long

This course teaches students to communicate more effectively in both speaking and writing. Students will be studying many aspects of English including: grammar, composition, speaking, and listening. Students will produce several finished writing pieces throughout the year including a personal narrative, fictional narrative, compare and contrast essay, among other pieces. The course is also designed to improve a student's reading fluency and comprehension.

Accelerated Math 6 Year-Long

The Accelerated math program weaves three themes "applied arithmetic, algebra, and geometry" by focusing on arithmetic operations in mathematics and the real world. Students are building skills to bridge number sense to algebra and geometric ideas. Pre-requisites: Admission to program by St. Joseph Math Department.

Math 6 Year-Long

Sixth grade Math program is designed to help you see the usefulness of math in daily life. It teaches you to think and compute accurately, and develop an understanding of our number system with use of manipulatives through real world connections. This course will cover units on whole numbers, fractions, decimals, geometry, percent, graphing, negative numbers, and an introduction to algebra. The main objective is to strengthen foundational math skills that allow students to make connections between math class and math in real life.

Science 6 Year-Long

Students in sixth grade Science will develop an understanding of a wide range of topics in life sciences. There are four life science units: (1) Where Have All the Creatures Gone, (2) What is Going on Inside Me, (3) Why do Organisms Look the Way They Do and (4) Medical Detectives. Various topics in these units include ecosystems, food webs, invasive and native species, cells, human body systems, DNA, inheritance of human traits, and pedigrees. Students will also have a chance to play the role of a medical detective by using genetic testing to diagnose a specific disease. As medical detectives, they will also study DNA evidence at a crime scene to determine what happened. Students will use modeling to explain phenomena, conduct investigations, solve problems and engage in discussions.

Social Studies 6 Year-Long

This curriculum is a geography-based course that introduces you to the physical and human geography of the World.. You will explore patterns of natural and human characteristics and use case studies to examine how the physical environment has provided both benefits and obstacles to human society. In doing so, you will explore how humans have used, adapted, or modified their environment and the consequences. *(Continued)*

Social Studies 6 Year-Long (Continued)

You will then examine a variety of global issues that emerge from human activities such as migration and settlement, culture and cultural diffusion, population and demographic changes, resource use, and increasing networks of trade and economic interdependence. You will investigate how local, national, and international governmental and non-governmental organizations respond to contemporary issues.

ELECTIVE CLASSES

Art 6 Rotation

Sixth grade art focuses on skill development using a variety of media. Projects include, but are not limited to drawing, ceramics, and creation of art using technology. Instruction includes exploration of art history and the art of diverse cultures.

Band 6 Year-Long

Basic playing techniques are taught and advanced skills are studied. Independent parts are introduced so that concert literature can be performed. Several concerts are presented to the public during the year.

Choir 6 Year-Long

The sixth grade choir will perform in 4 concerts throughout the school year. They will also attend the Michigan District Choral Festival. Students will learn healthy vocal technique, basic sight-reading, and beginning music theory. Students will be singing two and three part choral music.

Computers 6 Rotation

The purpose of this exploratory course is to teach students to effectively use technology. Students will work with many applications to create various projects within the seven weeks while maintaining focus on digital citizenship and cyber safety. The course concludes with a final project meant to showcase the skills attained over the seven weeks and is meant to be shared via social media. Proper keyboarding will also be included in daily lessons as students work to improve their typing speed and accuracy.

Industrial Technology 6 Rotation

Technology is defined as the use of knowledge to process resources and provides services to meet human needs and wants. Students will be given the opportunity to work with several different materials, tools, and machines to construct a variety of projects. Emphasis is placed on the design process where a product is developed from a concept or idea to a final product. Where applicable, the knowledge that is applied to complete the various classroom tasks will be used to reinforce the importance and relevance of the knowledge gained in the core academic areas.

Life Management 6 Rotation

This seven-week course introduces sixth graders to cooking and sewing. Nutrition, measurement, cooking skills, recipe literacy, kitchen safety/clean-up, teamwork skills, and child care are included in the foods portion of the course. In the sewing portion, students learn how to operate the sewing machine and follow directions to complete a simple sewing project.

Orchestra 6 Year-Long

Sixth grade students have the opportunity to learn violin, viola, cello, and bass. Students meet in like-instrument classes for the majority of the time where they learn the basics of correct position, technique, and performance practices. The sixth grade orchestra performs at the annual Upton Holiday Concert, the String Spectacular, and the Orchestra Spring Concert in May. Students who choose cello or bass are assigned a school instrument to use in class and they are expected to rent an instrument for home use. Violins and violas bring their instruments to school every day and are assigned orchestra lockers to store their instruments and music.

Physical Education 6 Rotation/Year-Long

Students engage in a program designed to promote their personal health fitness and progressive mastery of skills. The students work to meet the goals set forth by the State of Michigan, with special emphasis on the fundamental motor skills, fitness, socialization, sportsmanship, and using sports for lifetime activities. Some of the activities the students become involved in are soccer, basketball, jump rope, gymnastics, line dancing, track and field, mass-paddle badminton, and volleyball. The classes meet throughout the school year, and the students are graded on their daily participation, their skills, and written work.

REACH 6 Rotation

This class has been designed using the Response to Intervention (RTI) model to provide support, instruction, and assessment for learners at all ability levels in the academic areas of literacy and math. Students in this class will receive interventions and progress monitoring that target areas of concern specifically in the area of literacy and math. The goal is to bridge gaps the student has within a curricular area in order to achieve greater success in academic achievement.

Read 180 6 Year-Long

Read 180 is a year-long reading intervention program that provides individualized instruction to meet each student's reading needs. A computer-based curriculum, the technology collects data based on individual responses and adjust instruction to meet students' needs at their level, supporting their path to reading mastery. This course is available to students with a teacher recommendation based on past NWEA reading scores.



UPTON MIDDLE SCHOOL

7TH GRADE • 2018-19 COURSE DESCRIPTION GUIDE

CORE CLASSES

Algebra 7 Year-Long

Algebra generalizes number patterns & their relationships using the symbolic language of algebra & graphical representations. Algebraic expressions are evaluated using the properties of real numbers. Problem solving strategies utilize linear, quadratic, exponential, absolute value & systems of equations & inequalities. Applications integrate a variety of mathematical topics & disciplines of middle school. *Pre-requisites: Admission to program by St. Joseph Math Department.*

English 7 Year-Long

English 7 is designed to improve the student's competence in all aspects of language: reading, writing, speaking, and listening.

Math 7 Year-Long

Students will learn to solve a variety of real-world and mathematical problems. Students participating in this course will explore the following: area and perimeter relationships in two-dimensions, volume and surface area relationships in three-dimensions, expansions and transformations of geometric figures, describe data sets with measures of center and measures of spread, linear relationships with graphs, tables and equations proportionality in geometric figures as well as ratios.

Math 180 Year-Long

Math 180 is a math intervention program that provides whole class group and individualized instruction. The individualized software adapts to each student's needs providing added support and practice for those who need it and accelerating those ready to move on. The course is available to students with a teacher recommendation based on past NWEA math scores.

Science 7 Year-Long

Students in 7th grade Science will develop an understanding of a wide range of topics in physical sciences. There are four physical & chemical science units: (1) How Can I Smell Things from a Distance, (2) How Can I Make New Stuff from Old Stuff, (3) Why Do Some Things Stop While Others Keep Going and (4) Magic of Electrons. Various topics include atoms, molecules, elements, compounds, periodic table, chemical formulas, chemical equations, physical and chemical changes, chemical reactions, energy, motion, electricity and magnetism. Students will use modeling to explain phenomena, conduct investigations, solve problems and engage in discussions.

Social Studies 7 Year-Long

The seventh grade social studies curriculum focuses on ancient world history and geography with a deliberate focus on the content literacy. Students begin their exploration into world history with a focus on historical thinking.

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Social Studies 7 Year-Long (Continued)

By unpacking historical and geographic thinking, students learn how these disciplines are distinct in how they ask questions and frame problems to organize and drive inquiry.

Students learn that historians must have some evidence to support the claims they make in their accounts. They investigate how these social scientists select, analyze, and organize evidence, and then use that evidence to create accounts that answer questions or problems. By introducing students to the “invisible” tools that historians use to create historical accounts -- significance, social institutions, temporal frames (time), and spatial scales (space) – the course deepens students’ historical habits of mind and builds students’ social and content literacy. Students then investigate human history from the beginning until around 300 CE/AD. They explore major and significant changes in each era through a chronological organization.

ELECTIVE CLASSES

Art 7 Rotation

Seventh Grade art students are exposed to a variety of cultures and art movements. They will continue to develop their skills and understanding of art theories, criticism, and appreciation. Each lesson will be designed to enhance a specific skill used in the art making process. The students will experience projects that include linear perspective, drawing, painting, sculpture and printmaking.

Band 7 – Woodwinds & Brass/Percussion Year-Long

Band is a course that builds upon those concepts learned in sixth- grade band. Through the use of method books and full band compositions, students further develop their tone production, rhythmic skills, technique, and listening skills. Students also expand their knowledge of music theory, history, and stylistic considerations. In addition, students will demonstrate attitudes of cooperation, self-discipline, problem-solving skills, and group dynamics. The ensemble performs three full band concerts: holiday, spring and twilight concert. Other performances may include District Band Festival. Attendance at all performances is REQUIRED for ALL students. In addition, students have the OPTION to participate in solo and ensemble festival.

Choir 7 Year-Long

The seventh grade choir will build on information and techniques learned in sixth grade choir. Students will sing two and three part choral music. There will be four required concerts throughout the year, as well as Michigan District Choral Festival. Students will learn to sight-read in two parts, and will study basic keys, note reading, and music theory.

Health 7 Rotation

Students in health class will be participating in a seven-week course that covers topics of interest to preteens and early teens; puberty, skin care, the human reproductive system, Sexually Transmitted Infections (including HIV) and other diseases will be the major focuses of the course. In addition, students will study the effects of genetics and the challenges faced by those with poor health. The philosophy of abstinence toward sex is woven through the course. Students will actively participate in individual assignments, cooperative learning, and classroom discussions. A parent component is also a significant part of the curriculum.

Industrial Technology 7 Rotation

Students in industrial technology will be building skills in a variety of operations that will assist them in the completion of a sheet metal project. These experiences include measuring, planning, parallel line development, producing a CAD (Computer Aided Drafting & Design) drawing, bending, and spot welding. Students learn about the process of making steel, basic metal manufacturing processes, how technology affects our lives and how machines and computers communicate in order to increase productivity.

Life Management 7 Rotation

This seven-week course is designed to build on the cooking and sewing skills learned in 6th Grade Life Management. In the sewing portion of the course, resource management and procedure are emphasized as students use more advanced sewing skills and follow written directions to make a gym bag. The foods portion includes nutrition, recipe literacy, cooking skills, measurement, kitchen equipment, kitchen safety/clean-up, and teamwork skills.

Orchestra 7 Year-Long

Students will build upon those concepts learned in sixth- grade. 7th Grade Orchestra is a year-long class which meets daily. Participating in orchestra is a year-long commitment. In 7th Grade Orchestra students start learning more advanced techniques on their instruments such as vibrato, shifting, spiccato, etc. Students are also eligible for more performing opportunities such as MSBOA Orchestra Festival, MSBOA Fall Clinic, and MSBOA Solo & Ensemble Festivals (in the Fall and Spring). Students also perform in the annual Upton Holiday Concert, the String Spectacular, and the Orchestra Spring Concert in May. It is strongly recommended that students take 6th Grade Orchestra as a pre-requisite, however if new in-coming students wish to add 7th Grade Orchestra they may do so with director approval. 7th Grade is a great time to start private lessons for those interested in continuing orchestra through 8th grade and beyond.

Physical Education 7 Year-Long

The emphasis of the seventh grade physical education program is to improve on the individual skills necessary for students to participate in various lifelong activities, and to build and maintain fitness levels needed for healthy living. The emphasis of the seventh grade physical education program is to improve on the individual skills necessary for students to participate in various lifelong activities, and to build and maintain fitness levels needed for healthy living.

REACH 7 Rotation

This class has been designed using the Response to Intervention (RTI) model to provide support, instruction, and assessment for learners at all ability levels in the academic areas of literacy and math. Students in this class will receive interventions and progress monitoring that target areas of concern specifically in the area of literacy and math. The goal is to bridge gaps the student has within a curricular area in order to achieve greater success in academic achievement.

Reading 7 Rotation

During this class, students will focus on four units. The first is a review of the elements of literature and how they are applied to stories. We will also look at reading strategies that will help with reading comprehension for both fiction and nonfiction. The second unit will focus on word study and will include roots, prefixes, suffixes, and context clues. For the third unit, students will read one novel of their choice as they participate in literature circles, which require writing in response to their reading.

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Reading 7 Rotation (Continued)

The final unit consists of a review of skills including identifying main ideas, inferences, sequences, and cause and effect relationships, differentiating between fact and opinion, similarities and differences, and summary and paraphrase, and strategies for highlighting, note taking, and outlining. Throughout the course we look at study skills and test-taking skills, and we emphasize how these skills and the reading strategies can be applied to all subjects that they study.



UPTON MIDDLE SCHOOL

8TH GRADE • 2018-19 COURSE DESCRIPTION GUIDE

CORE CLASSES

Algebra 8 (High School Credit) Year-Long

This is a high school level course that earns high school credit upon successful completion. Students that are not ready for a class with high school pacing and rigor should take pre-algebra. Algebra provides a formal development of the algebraic skills and concepts necessary for students to succeed in advanced courses. In particular, this course provides for the use of algebraic skills in a wide range of problem-solving situations. Topics covered will include: 1) linear, quadratic and exponential functions, 2) solving equations, inequalities, quadratics, and systems, 3) absolute value equations and inequalities, and 4) exponents, radical and factoring. *Pre-requisites: Admission to program by St. Joseph Math Department.*

Earth & Space Science 8 Year-Long

Students in 8th grade Science will develop an understanding of many societally relevant aspects of Earth and Space science. There are four earth science units: (1) What Makes the Weather Change, (2) Energy & the Environment, (3) How Does Water Shape Our World and (4) How is the Earth Changing. Various topics include weather, storms, seasons, climate change, renewable energy, water cycle, weathering, erosion, rock cycle, earthquakes, volcanoes and plate tectonics. Students will use modeling to explain phenomena, conduct investigations, solve problems and engage in discussions.

English 8 Year-Long

English 8 is designed to fully prepare students for the rigors of high school English. 8th graders spend a significant portion of the year writing various genres and creating a writing portfolio. In order to help improve the students' writing, the studies of grammar, punctuation, and short stories are undertaken throughout the year.

Geometry 8 (High School Credit) Year-Long

Geometry generalizes figure patterns and their relationships using the symbolic language of geometry and graphical representations. Two and three dimensional geometric figures are studied using synthetic, coordinate, and transformational geometries. Formal proofs develop the skills of logic and argument reasoning using the postulates and theorems of congruence and similarity in our geometry. Applications integrate a variety of mathematics topics and disciplines of middle school. Upon successful completion of this class, high school credit will be given. *Pre-requisites: Admission to program by St. Joseph Math Department.*

Math 8 Year-Long

Math 8 is designed to prepare students for 9th grade Algebra. Much of the time is spent learning and mastering addition, subtraction, multiplication, and division of integers, real numbers, and rational numbers. Students will also learn to write, solve, and graph equations. They will learn to evaluate situations representing the relationship between two variables.

U.S. History & Geography 8 Year-Long

What is the purpose of government? We will look at the early American attempts to answer this question. Every generation, the citizens help to form their own answer to this simple, yet ongoing debate. We will begin just after the American Revolution and continue our discussion through Reconstruction. While we study the adaptations our government has made over time, we will also take a close look at the economic, geographic, and social impact of our governments decisions. We help to develop the writing and critical skills needed for our students to answer this important question for themselves.

ELECTIVE CLASSES

Academic Achievement 8 Year-Long

In this class your student will learn how to use and maintain study skills. The students will spend time on organizational skills, study skills, and test taking skills and strategies. here will be a daily homework check. Mr. Leonard will routinely check with your child's other teachers to monitor their progress as a follow-up to this class. We utilize The Seven Habits of Highly Effective Teens by Sean Covey as a text for the course. The course is assessed by writing assignments, organizational checks, and tests over the class materials.

Advanced Literature 8 Semester

This course is designed for the student who thoroughly enjoys reading and likes to learn more about the insight of the author and the various writing techniques used in literature. Preparation for the class includes being able to respond to literature through group discussion, written activities, and dramatic presentation. A large part of the course grade will be determined by the student's class participation. It will be critical for the student to be able to share his/her views and thoughts on the literary piece being studied. Recommendation from 7th grade English teacher is required.

Art 8 Semester

This semester class is for the student who is interested in art. While in this class, students will experience both new and traditional media while improving their overall drawing abilities. Students can expect to be introduced to various art movements and learn to use the vocabulary of an artist. It is a great building experience for the student who enjoys art.

Astronomy 8 Semester

This is an elective course for the serious science student, interested in extending their exploration of physical and space sciences. Throughout the semester, students will learn the constellations of each season, compare solar system objects and examine the life cycles of stars. We will also explore the exciting world of aerospace through Project Lead the Way: Flight and Space. During this unit, students will explore the science behind aeronautics and use their knowledge to design, build, and test a glider.

Band 8 Year-Long

This is our most advanced band. Emphasis is placed on preparing music of various styles for performance. This class meets every day for both semesters. The requirements for entry include successful completion of 7th grade band at Upton Middle School or a successful musical audition for the director. Required performances may include concerts and festivals. Orchestra Wind members are selected from 8th grade band personnel.

Ceramics & Sculpture 8 Semester

This class is for the art student who loves to work three dimensionally. It is a full semester of learning to build functional ceramic artwork as well as visually stunning sculptures. While in this class, you will utilize many materials and learn many different art styles. Students will learn what makes 3D work aesthetic and how to incorporate the Elements and Principles of Design. Due to the expense of the clay, glaze, and other materials, there is a \$20 materials fee for this class.

Communications 8 Semester

The platform of this class is communications through a journalistic approach. Students who enjoy writing, speaking, and creating should enroll in this course. Students will learn the necessary skills for interviewing, layout design, photography, and digital media. Final collaboration will be to produce two primary publications: yearbook and school newspaper. Students will have the opportunity to participate in the marketing, producing, and distributing of these publications.

Computers 8 Semester

This project-based course is designed to bring students to a high school level of proficiency in applying computer technology in the educational setting. Students will extend their computer knowledge beyond previous rotation experiences. Students will explore cloud-based applications while building digital portfolios to exhibit semester projects like personal or educational web pages and design, video games, podcasts, and scripting.

Foods & Nutrition 8 Semester

This course is designed to build on the cooking skills and nutrition concepts learned in 6th and 7th grade. Students learn more advanced cooking and measurement skills, recipe literacy, kitchen equipment, and kitchen safety/clean-up. Cooking units include food safety and preservation, pies, yeast breads, and salads. A highlight of the class is a gingerbread house project with each student completing his/her own house. A group research project on foreign foods concludes with a class presentation of a recipe and country research. The nutrition portion of the class covers nutrients and their functions and sources, food labeling, making positive food choices, and concludes with a personal analysis of their food intake from a personal food diary.

French 1 8 (High School Credit) Year-Long

This course introduces the students to elementary French conversation and being able to express themselves in everyday situations. This course addresses basic elementary grammar, the reading of simple French stories, beginning French composition, authentic listening activities and the culture of French speaking places and people. Main conversation topics include: introducing oneself, talking about food, family, interests and different actions in the present and past tenses. **This course is offered every other year on the offset of Spanish 1*

Metals 8 – Methods in Design & Production Semester

Mr. Warsow will instruct students in the basic operations, skills and occupational information in the fields of metal machining and fabrication. Through the completion of several projects, students learn about the four major metal manufacturing methods. Some of the processes that are integrated into the projects include sand casting, sheet metal fabrication, heat treating, spot welding and machining operations using a metal lathe and milling machine.

An additional component of the class will include the use of a computer as a resource in exploring the design process. The projects and activities will expose students to how machines and computers are integrated in the design and manufacturing of a product and how technology is used to increase productivity.

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Metals 8 – Methods in Design & Production Semester (Continued)

Students will explore the technical side of design by learning about product planning, creating drawings, patterns and prototypes. A variety of drawings will include the geometric construction drawing method, mechanical drafting, and CAD (Computer Aided Drawing). There is a class fee that will not exceed \$40.00.

Orchestra 8 Year-Long

This is our most advanced orchestra. 8th Grade Orchestra meets every day. Students continue to build on the playing skills they acquired in 7th grade on their instruments through daily practice of 3 octave scales, arpeggios and thirds, and multiple shifting positions. The repertoire students play in class will also be significantly more complex, involving more advanced ensemble and rehearsal technique. Strong emphasis is also placed on developing leadership within the group. Students participate in MSBOA Fall Clinic, MSBOA Band and Orchestra Festival, Holiday Concert, String Spectacular, Spring Concert, and the 8th Grade Farewell. They are also eligible to try out for MSBOA All-State Orchestra and participate in MSBOA Solo & Ensemble Festivals in the Fall and Spring. 8th Grade Orchestra is a pre-requisite for playing in the Philharmonia Orchestra at the High School. Private lessons are strongly recommended but not required at this level.

REACH 8 Semester

This class has been designed using the Response to Intervention (RTI) model to provide support, instruction, and assessment for learners at all ability levels in the academic areas of literacy and math. Students in this class will receive interventions and progress monitoring that target areas of concern specifically in the area of literacy and math. The goal is to bridge gaps the student has within a curricular area in order to achieve greater success in academic achievement.

Read 180 8 Year-Long

Read 180 8 is a year long reading intervention program that provides individualized instruction to meet each student's reading needs. A computer based curriculum, the technology collects data based on individual responses and adjusts instruction to meet students' needs at their level, supporting their path to reading mastery. This course is available to students with a teacher recommendation based on past NWEA reading scores.

Recreation and Sport 8 Semester

This class is designed so that students will gain skills in lifetime recreational activities, individual and team sports, as well as some personal fitness work. It may include activities such as tennis, archery, golf, weightlifting, and volleyball as well as many more. The goal of this class is to introduce students to activities that they may want to pursue throughout their lives. They will learn the basic skills of the activity and its value for a lifetime of fitness

Sewing & Consumer Education 8 Semester

This semester course is designed for students who are serious about wanting to continue learning new and more advanced sewing skills and become a responsible consumer. Resource management is critical for success in this class as projects must be completed in the classroom not at home. The students will make a variety of projects, which may include a locker organizer, pajama pants, stuffed animal, and applique. The student will be responsible for the purchase of fabrics and materials needed for the class; the cost is usually around \$50 depending on the fabrics chosen for the projects. The consumer education unit includes lessons on the influence of advertising, consumer rights and responsibilities, store types, and how fraud impacts all consumers. The comparison shopping project teaches students to look for the best quality and value in clothing.

Spanish 1 8 (High School Credit) Year-Long

This course introduces the students to the four skills; speaking, listening, reading and writing Spanish, with an emphasis on speaking and listening. It also provides an introduction to the Spanish speaking world and its people. **This course is offered every other year on the offset of French 1*

Studio Art 8 (High School Credit) Year-Long

Studio Art is a yearlong course that is intended for the serious art student. Emphasis is placed on learning different techniques and experiencing new media. Art history and theory is included in a variety of innovative ways. While in this class, students will have the opportunity to enter various art shows and competitions. Satisfactory completion of Studio Art exempts the student from Art I and II at the high school. Recommendation from 7th grade Art teacher required. Upon successful completion of this class, high school credit will be given.

Uptones 8 Year Long

The Uptones is a unique performing group. They meet every day for the entire year. Emphasis is placed on preparing music of various styles and languages for performance. The major portion of the grade is performance in class on music skills and at several concerts and choral festivals throughout the year. The course is designed to give the singer an understanding of choral literature, musical skills, and performance.

Weight Training & Fitness 8 Semester

This class will introduce students to the fundamentals of weight training and personal fitness. They will learn to understand the proper techniques used to safely train their bodies. We will be taking an in-depth look into strength training and cardio fitness, and their place in a fitness program. Emphasis will also be placed on flexibility, core strength, and how everyday physical activities play a role in our personal fitness. Students will leave the course with a good knowledge of how to lift safely and correctly, and how to improve fitness levels.

This is not the same as football weight lifting. It has a different purpose and goal, and should not be considered a substitute

Woods 8– Design & Production Technology Semester

This is an 18-week/1 Semester course that requires no prerequisites and will include the following: general & machine safety, measurement, technical drawing, line development and product planning that is associated with the design and manufacture of wood material products. Students will learn through a variety of projects and activities related to the fields of wood processing, architecture and construction. Possible projects and activities include, but are not limited to, a wall clock, a small table, developing architectural floor plans and constructing a scale model of a residential structure. Projects and activities are completed by using hand tools and machines that include: the scroll saw, band saw, miter saw, router, drill press, plate joiner and a variety of sanders. Various drawing methods will be used to communicate the design of the product. These methods will include the geometric construction drawing method, manual/mechanical drafting, and CAD (Computer Aided Drawing). Students will be exposed to the methods utilized for processing hardwood materials and will take a more in depth look at the science behind wood as a manufacturing material. They will also explore a variety of wood joinery methods, machining techniques, how to apply a finish, and utilizing jigs and fixtures to manufacture a product. There is a class fee that will not exceed \$45.00.

Yearbook 8 Semester

This is a course that focuses on print and mass media and the publication of the Upton Middle School yearbook. Students will be introduced to the basic process of communication and participate in a variety of activities which will help them become better communicators. Writing, listening, analyzing, and creating skills will be developed.

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Yearbook 8 Semester (Continued)

Projects such as writing for the yearbook, preparing and delivering speeches, and developing promotional campaigns will be assigned. Students will also learn and apply computer skills and explore the role of digital cameras, scanners, and manipulation of digital imagery in communication. This course is designed for students who are self-disciplined and who enjoy writing, speaking, and sharing ideas with classmates.