# Visual and Performing Arts

**Band**

Length of course:        1 year

Prerequisite:            none

Students will be introduced to the band instruments and begin learning beginning techniques for their selected instrument as well as how to play in an ensemble.  Consistent practice and concert attendance is required.  Students are expected to provide their own instrument, but accommodations can be made based upon family need.  Rental and rent to own options are also available for instruments.

**Visual Art**

Length of course:        1 quarter

Prerequisite:            none

This is an intro into most art mediums while focusing on the elements and principles of art and design. We will draw, paint, carve linoleum for printmaking and work with metal among many more things.

**Vocal Music**

Length of course:        1 quarter

Prerequisite:            none

This class focuses on an introduction to choir. Students will have fun singing while learning vocal and music literacy skills. You do not have to already be a great singer!  This class will teach you how to improve your singing voice. Each term will present a choral performance at the end of the term. ***This is a prerequisite for 7th Grade Choir.***

# Physical Education

**Physical Education**

Length of course:        1 quarter

Prerequisite:            none

This course focuses on improving students' fitness levels. Students will engage in daily fitness and team sport activities in order to improve cardiovascular endurance, muscular strength and endurance, and flexibility. This course will provide students with information about basic health and nutrition information, as well as overall wellness. Regular class discussion will include self-motivation, self-pacing, teamwork, fair play and related topics. ***This class fulfills the physical education requirement.***

**21Things4Students**

Length of course:          1 quarter

Prerequisite:               none

21things4students allows students to complete fun projects using different Web 2.0 tools. Students will increase their technical proficiency in many different areas through these projects.

**Computer Science Discoveries 1**

Length of course:          1 semester

Prerequisite:               none

Computer Science Discoveries 1 is an introductory computer science course that empowers students to create authentic artifacts and engage with computer science as a medium for creativity, communication, problem-solving, and fun. Computer Science Discoveries 1 is designed to be an accessible and engaging course for all students, regardless of background or prior experience. It provides students with opportunities to engage with culturally and personally relevant topics in a wide variety of contexts and iams to show all students that computer science is for them. This course will specifically cover problem-solving and computing, web development, and animations and games.

**Computer Science Discoveries 2**

Length of course:          1 semester

Prerequisite:               grade of D- or higher in Computer Science Discoveries 1

Computer Science Discoveries 2 is a computer science course that builds on Computer Science Discoveries 1, contiming to empower students to create authentic artifacts and engage with computer science as a medium for creativity, communication, problem-solving and fun. The course provides students with opportunities to engage with culturally and personally relevant topics in a wide variety of contexts and aims to show all students that computer science is for them. This course will specifically cover the design process, data and society, and physical computing.

**Everyone Can Code & Create**

Length of course:          1 semester

Prerequisite:               none

Everyone Can Code introduces students to core coding concepts using the Swift programming language. Students use real Swift code to solve puzzles and create projects.  Everyone Can Create is designed to introduce students to the skills they need to better express themselves through music, video, photography, and drawing on the iPad.

**Minecraft: Education Edition**

Length of course:          1 quarter

Prerequisite:               none

A game-based learning platform that promotes creativity, collaboration, and problem-solving in an immersive digital environment. Through project-based lessons, students build critical 21st-century skills like collaboration, creative problem solving, and digital citizenship.

**Project Lead the Way (PLTW): Design & Modeling and Flight and Space**

Length of course:        1 semester

Prerequisite:            none

Design and Modeling (DM) provides students opportunities to apply the design process to creatively solve problems. Creating a prototype and constructing items with a 3D printer will be part of the course.

The exciting world of aerospace comes alive through the Flight and Space (FS) unit. Students become engineers as they design, prototype, and test models to learn about the science of flight and what it takes to travel and live in space. They solve real-world aviation problems and space challenges and plan a mission to Mars.

## Core Enrichment Electives

**Budget Math**

Length of course:        1 quarter

Prerequisite:            none

Have fun while learning valuable math life skills. Students will "interview" for a job, find a "home", and support themselves and their fictional family on their income. Some topics we will take a close look at include: how to balance a checkbook and how to balance a family budget.

**Health**

Length of course:        1 quarter

Prerequisite:            none

This class focuses on the following health topics during the marking period:  Communicable diseases; nutrition and exercise; alcohol, tobacco, and other drugs; social and emotional health; and puberty and relationships.  Students will explore these topics through partner discussion, group discussion and skits, whole class discussion, real life examples, and video usage for examples.  Most work is done in class, but there will be a few assignments to be completed at home. Physical activity is also a portion of the student's grade.   Participation is required.

**Japanese Language and Culture I**

Length of course:        1 quarter

Prerequisite:            none

In this class you will be introduced to basic information about Japanese language and culture. Activities can include describing yourself, family and friends using Japanese language. In addition you will learn to read simple Japanese sentences written in Hiragana letters and partially in Katakana letters by using the Japanese alphabet tables. ***This does not satisfy a high school foreign language requirement.***

**Japanese Language and Culture II**

Length of course:         1 quarter

Prerequisite:         Completion of Japanese Language and Culture I with a final grade of C+ or better

In this class you will build upon concepts and skills learned in Japanese Language and Culture I. This can include describing hobbies, habits and activities using the Japanese language. In addition you will compare products, practices and perspectives of Japanese-speaking cultures with those of your own. You will also have the opportunity to read Japanese sentences written in Hiragana letters and partially in Katakana and Kanji letters. ***This does not satisfy a high school foreign language requirement.***

**Mysteries of the Mind**

Length of course:         1 quarter

Prerequisite:         none

Psychology is the study of human thoughts, feelings, and behavior. This class is an introduction to psychology. We learn about our own thoughts, feelings and behavior and how it helps us grow and mature. We explore whether we are optimistic or pessimistic, whether we think in stereotypes, what our communication styles are and much, much more. We learn to appreciate ourselves and how and why we do the things we do each day. We also begin to appreciate others through this understanding.

**Multicultural Math Lab**

Length of course:         1 quarter

Prerequisite:         none

Travel around the world of math with this hands-on class. Explore solutions to real-world problems throughout history. Learn how secret messages started and why. Learn how to write your own secret message. We play math games, look at patterns, do hands on fractions activities along with much, much more.

**National Parks**

Length of course:         1 quarter

Prerequisite:         none

Learn the history of the National Park system and learn how preservation of this beautiful land first started. Then travel through 4 specific National parks as you get ready to explore others on your own. As a class we will look at Death Valley National Park / Yellowstone / Acadia / Everglades. Later you will explore other parks that interest you and plan a 3 day trip (maybe someday you will actually be able to explore this park with your family or friends using YOUR plan)

**Poetry**

Length of course:         1 quarter

Prerequisite:         none

Read Write Recite - Through poetry, students will gain an understanding of writing styles and techniques, develop an appreciation for the power of poetry, and build reading, writing and speaking confidence.

**Science Adventures**

Length of course:      1 quarter

Prerequisite:      none

A way to explore science outside of the typical science curriculum. Students will take concepts they are learning in class and dive deeper, allowing them to understand how things work, make real world connections, and develop their skills as a scientist. Students will also have the chance to see how science really does connect to other subjects in school (especially math). Get ready for an adventure through science!

**Travel Math**

Length of course:      1 quarter

Prerequisite:      none

Learn math in a fun new way! Study decimals, percentages and more while traveling through and learning about different United States National Parks.