

## IBMYP Outdoor Living

No Prerequisite This course is for the student who enjoys and appreciates outdoor activities. Topics include: safe outdoor living/survival skills environmental ethics (rules) preparations for outdoor living shopping smart recreational/leisure choices and career resources. Class activities will encourage the student to develop new interests for leisure time. Students will be responsible for cost of any project.

**4050IBMY**

## IBMYP Teen Living

This course will explore and develop skills in foods, nutrition, child development/care giving, personal development, clothing care, consumerism. This hands on course gives students a chance to practice what they learn by designing projects related to each topic and is relevant to the issues teens are currently dealing with in their own lives.

**4030IBMY**

## IBMYP ELA 6

IBMYP. This course is designed to meet both the Colorado State and PSD Content Standards and the Aims Objectives and Framework for the Middle Years Program of the International Baccalaureate. The sixth-grade language arts course is devoted to developing communication and thinking skills through the integrated study of reading speaking and writing strategies as well as further refining active listening and critical viewing practices. In addition to adapting usage conventions form and/or genre to a variety of audiences and purposes students continue their practice with the writing process as they gain experience mastering single and multi-paragraph texts in all four major modes -- narrative descriptive persuasive and expository. Students actively apply these aforementioned techniques in order to summarize compare contrast activate and synthesize literary and informational texts across content areas.

**LA614**

## IBMYP ELA 6 H

This course is recommended for the student who seeks additional information and depth in literature and writing. The curriculum follows the guidelines of the required English 6, adding materials and projects for highly motivated students. Students are offered opportunities to explore a variety of reading and writing and to pursue areas of interest in depth.

**LA615**

## IBMYP ELA 7

The honors seventh-grade English program is designed to help students express themselves more easily and effectively through writing and speaking. The course includes study of the fundamentals of grammar correct usage literature (short stories and the novel) and the process of writing (narration description and exposition). Students focus on writing a unified coherent paragraph which logically supports a topic sentence by using specific details. Students also have opportunities to write creatively.

**LA714**

## IBMYP ELA 7 H

This course is recommended for the student who seeks additional information and depth in literature and writing. The curriculum follows the guidelines of the required English 7, adding materials and projects for highly motivated students. Students are offered opportunities to explore a variety of reading and writing and to pursue areas of interest in depth.

**LA715**

## IBMYP ELA 8

This course is recommended for the student who seeks additional information and depth in literature and writing. The curriculum follows the guidelines for the required English 8 adding materials and projects for highly motivated students. Students are offered opportunities to explore a variety of reading and writing and to pursue areas of interest in depth.

**LA814**

## IBMYP ELA 8 H

This course is recommended for the student who seeks additional information and depth in literature and writing. The curriculum follows the guidelines of the required English 8, adding materials and projects for highly motivated students. Students are offered opportunities to explore a variety of reading and writing and to pursue areas of interest in depth.

**LA815**

## IBMYP Eng Lang Devel 6

This course is designed to help students at the intermediate level of English language proficiency improve their skills insocial and academic listening, speaking, reading and writing in English. The goal is to improve listening and reading comprehension, academic vocabulary development, and oral/written communication inorder to move students along the English language proficiency continuum. This course also supports students with speaking, listening, reading and writing skills/tasks in their grade-level content classes.

**5046IBMY**

## IBMYP Eng Lang Devel 7

This course is designed to help students at the intermediate level of English language proficiency improve their skills insocial and academic listening, speaking, reading and writing in English. The goal is to improve listening and reading comprehension, academic vocabulary development, and oral/written communication inorder to move students along the English language proficiency continuum. This course also supports students with speaking, listening, reading and writing skills/tasks in their grade-level content classes.

**5047IBMY**

## IBMYP Eng Lang Devel 8

This course is designed to help students at the intermediate level of English language proficiency improve their skills insocial and academic listening, speaking, reading and writing in English. The goal is to improve listening and reading comprehension, academic vocabulary development, and oral/written communication inorder to move students along the English language proficiency continuum. This course also supports students with speaking, listening, reading and writing skills/tasks in their grade-level content classes.

**5048IBMY**

## IBMYP Newcomer ELD

This course is the Extended compnaion course for 5009MS Newcomer English. This course is designed for students with minimal English language proficiency. The focus will be the development of a student's listening and basic speaking skills with a strong emphasis on conversational skills and survival vocabulary. The curriculum for this class will be placed on content vocabulary English language grammar structure and usage.

**5010IBMY**

## Pro ELA 6-8

Pro ELA is a general literacy course which involves content that is not grade differentiated and may apply to a range of consecutive grades (e.g., "by seventh grade, students should know and be able to do..."). These courses may include modified content of the grade-level content standards.

**SU613**

## IBMYP Humanities 8

This course is designed to meet both the Colorado State and PSD Content Standards and the Aims Objectives and Framework for the Middle Years Program of the International Baccalaureate. This course is recommended for the student who seeks additional information and depth in literature and writing. The curriculum follows the guidelines for the required English 8 adding materials and projects and motivated students by teaching through the lens of United States History. The United States History course will teach students how to organize and to analyze historical information. This course instructs extensive literacy skills.

## 3751IBMY

## IBMYP Debate

The theory and practice of argument will be discovered and applied in various persuasive situations. Public Forum Lincoln-Douglas and legislative debate techniques will be introduced. Students will research and write debate cases and participate in debates in class. Skills in organizing and writing debate cases and conducting critical analysis of research literature will be emphasized in addition to oral analysis and refutation.

## 5900IBMY

## Algebra 1

The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grade. Because it is building on the middle grades standards, this is a more ambitious version of Algebra I than has generally been offered. The critical areas, called units, deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

## 6230

## Geometry

The fundamental purpose of the course in Geometry is to formalize and extend students' geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Important differences exist between this Geometry course and the historical approach taken in Geometry classes. For example, transformations are emphasized early in this course. Close attention should be paid to the introductory content for the Geometry conceptual category found in the high school CCSS. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. The critical areas, organized into six units are as follows: Congruence, Proof, and Constructions; Similarity, Proof and Trigonometry; Connecting Algebra and Geometry through Coordinates; Circles With and Without Coordinates; Extending to Three Dimensions; Applications or Probability.

## 6240

## IBMYP Math 6

Students will expand upon their knowledge of whole numbers and decimals formed in previous grades to include operations of multi-digit decimals and rational numbers. During the course of the year students will use their knowledge of rational numbers to write and solve equations and inequalities, analyze geometric shapes, and organize and evaluate data displays. Students will explore the concepts of area, surface area, and volume.

## MA642

## IBMYP Math 7

In this course students will gain an understanding about and be able to apply rational numbers. Students will explore ratios and proportions to develop an understanding of linear functions and be able to solve single-variable equations. They will compare data distributions and be able to compare differences between populations. Finally, students will analyze geometric figures, calculating area, surface area, and volume. Content is organized into four critical areas, or units. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations

## MA742

## IBMYP Math 7/8

This course differs from the 7th Grade course in that it contains content from 8th grade. While coherence is retained, in that it logically builds from the 6th Grade, the additional content when compared to the 7th Grade course demands a faster pace for instruction and learning. Content is organized into four critical areas, or units. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

## MA747

## IBMYP Math 8

In 8th grade, students will build upon their knowledge and understanding of generating equivalent expressions, ratios and proportions, exponents, and volume of prisms gained in 6th and 7th grade.

In this course, students will apply their knowledge of expressions both algebraically and geometrically. Students will explore congruence and similarity of figures in the coordinate plane and write algebraic expressions to describe the transformations. Students will use their knowledge of generating equivalent expressions to solve single-variable linear equations. They will analyze the solution set to include one solution, no solutions, and infinitely many solutions. Students will build upon their understanding of proportional relationships to create linear functions in a graph, table of values, equation, and story problem. They will then examine the similarities and differences between linear and non-linear models, exploring the commonalities and differences among rational and irrational numbers. Students will approximate the location of simple square and cube root values on a number line. Students will expand upon their understanding of volume of prisms to know and apply the formulas for volume of cylinders, cones, and spheres. Students will apply their knowledge of linear relationships to analyze and make conjectures about two-way data displays, tying together the components of this course. The 8th grade standards have been divided into six critical areas, or units, as follows.

## MA842

## IBMYP Newcomer Math 6-8

This course is designed to increase English vocabulary development while differentiating math instruction tailored to the individual student's needs so that they can be successful in the mainstream math class. Topics include: data & statistics shapes & designs variables & patterns properties of similarity & algebra.

## 6370IBMY

## IBMYP Study Skills Math 6

Math Skills 6 is designated as a support class for 6th grade students. This course is supplemental to the core 6th grade mathematics class. It is designed as a refresher class for students that may need extra support in basic skills and concepts.

## 6027IBMY

## IBMYP Study Skills Math 7

Math Level 7 is a continuation of multiplication and division of whole numbers all operations on fractions and decimals and of concepts introduced at the elementary level. Ratio proportion and percents are introduced as well as some basic concepts of geometry and algebra. Emphasis will be placed on mathematical reasoning solving mathematical problems and being able to communicate this information to others.

**6031IBMY**

## IBMYP Study Skills Math 8

Math Skills 8 is designated as a support class for 8th grade students. This course is supplemental to the core 8th grade mathematics class. It is designed as a refresher class for students that may need extra support in basic skills and concepts. Support topics may include but are not limited to modeling linear functions solving multi-step equations displaying data and using measures of central tendencies counting techniques radical expressions Pythagorean relationships and geometric concepts.

**6080IBMY**

## Pro Math 6

The focus of this course is to provide an opportunity for continued learning of basic math skills and the functional use of math that relate to real-life situations. Units covered include: computation problem solving decimals/fractions/percents money skills area/perimeter/angles charts/graphs/tables measuring/estimations. Pro Math is a general mathematics course which involves content that is not grade differentiated and may apply to a range of consecutive grades (e.g., "by seventh grade, students should know and be able to do..."). These courses includes modified content of the grade-level content standards.

**SU642**

## Pro Math 6-8

This class requires teacher approval. Students will learn but are not limited to the following: recognizing numbers and currency understanding basic more or less concept demonstrating basic operations (+ - x /) use of computation by both calculator and pencil dollar-up strategy and solving problems applicable to real life situations.

**SU643**

## Pro Math 7

Pro Math is a general mathematics course which involves content that is not grade differentiated and may apply to a range of consecutive grades (e.g., "by seventh grade, students should know and be able to do..."). These courses may include modified content of the grade-level content standards.

**SU742**

## Pro Math 8

Pro Math is a general mathematics course which involves content that is not grade differentiated and may apply to a range of consecutive grades (e.g., "by seventh grade, students should know and be able to do..."). These courses may include modified content of the grade-level content standards.

**SU842**

## IBMYP Art 1

This course offers further development of the elements of art and the principles of design. A wide variety of art activities are designed to increase the student's knowledge of art media techniques terminology and appreciation of aesthetics and art styles. Critical thinking skills are emphasized as students do drawings paintings sculpture printmaking ceramics fiber projects and computer graphics.

**1020IBMY**

## IBMYP Art 2

This course allows students to further develop their creative ideas and interests with more involved projects. A greater emphasis is placed on art aesthetics and critical evaluation. Art elements and principles of design continue to be reinforced as students are introduced to new art concepts art history media and techniques.

**1030IBMY**

## IBMYP Art Exploration

Art appreciation and history are correlated with studio art which emphasizes the elements of art (line shape color value texture form and space) and the principles of design (balance movement rhythm contrast emphasis pattern unity).

**1010IBMY**

## IBMYP AVID 8

Advancement Via Individual Determination A.V.I.D. is a sequential foundational organizational curriculum intended for 8th grade students at all ability levels. The A.V.I.D. strategies including WICOR a focus on writing inquiry collaboration organization and reading skills help students in the middle school setting focus on student success skills. These A.V.I.D. skills are designed for all students and will allow students to decide whether or not to pursue an application to the High School A.V.I.D. program.

**4044IBMY**

## IBMYP Pottery & Sculpt

Pottery and Sculpture is a one-semester class directed toward introducing students to three-dimensional methods of creating art. The class begins by studying the element and principles of design and how they are applied to 3-D works of art.

**1045IBMY**

## IBMYP Band 6

Beginning Band is designed for teaching basic skills to beginning Wind Brass and Percussion players. Tone technical facility music terminology and music reading are stressed. Enrollment is based upon completion of the Summer Band Program or by approval of the instructor. If student is not able to attend the Summer Band Program he/she should contact the instructor at the middle school they will attend.

**2639IBMY**

## IBMYP Band 7

Enrollment in this class is by instructor approval or upon successful completion of beginning band. Intermediate band emphasizes fundamentals such as scales chords and tone production. A large quantity of band literature of varying styles and difficulty is studied. Performances are required. Intermediate Level

**2590IBMY**

## IBMYP Band 8

Enrollment is by instructor approval or upon successful completion of intermediate band. The class involves a continuation of music fundamentals taught at the beginning and intermediate levels. Principal players of most sections may be asked to participate in symphony orchestra twice a week. Advanced playing techniques are developed through rehearsal and performances. Participation in Advanced Band is a prerequisite for high school band. Performances are required.

**2610IBMY**

## IBMYP Orchestra 6

Beginning Orchestra is designed for teaching basic skills to beginning Bass Cello Violin and Viola players. Tone technical facility music terminology and music reading are stressed. Enrollment is based upon completion of the Summer Band Program or by approval of the instructor. If student is not able to attend the Summer Band Program he/she should contact the instructor at the middle school they will attend.

**2644IBMY**

## IBMYP Orchestra 7

This is the second semester of Concert Orchestra JHS. This is a class designed for 7th graders but does provide a stronger musical experience for the advanced 6th grade student. It also provides an opportunity for the eighth grader to develop who may not have the necessary skills for the symphony orchestra. Students in this group will have the opportunity to advance at semester. Literature studies is of intermediate difficulty. Performances are required. Students must have instructor approval. Intermediate Orchestra

**2600IBMY**

## IBMYP Orchestra 8

This course is designed for intermediate as well as advanced string players. Advanced techniques of bowing fingering and tone production are pursued through the study of music ranging from Early Baroque through contemporary and popular styles. The group performs both as a string ensemble and as a symphony orchestra by combining woodwinds brass and percussion from the Advanced Band. Performances are required.

**2620IBMY**

## IBMYP Choir 6

Choir 6 is a non-auditioned ensemble open to all 6th grade students. The choir performs music from all genres and time periods while learning the basics of singing posture music theory and sight singing. Beginning choir is the entry pathway designed to give students with an interest in singing an opportunity to explore the changing voice at the middle level. This class will provide a strong choral foundation that will enable students to confidently transition to Select Choir at the seventh grade and eighth grade level.

**2649IBMY**

## IBMYP Choir 7

A class designed to give students with an interest in singing the opportunity to perform vocally and become more comfortable and confident with their changing voices. This class would give seventh grade students the preparation knowledge and skills that build confidence in adolescent singers and prepare them for the advanced choirs. Students may enroll for one or two semesters.

**2520IBMY**

## IBMYP Choir 8

Chorus courses develop students' vocal skills within the context of a large choral ensemble in which they can perform a variety of styles. These courses are designed to develop students' vocal techniques and their ability to sing parts.

**2533IBMY**

## Home School

NA

**8004**

## IBMYP Advisory 6-8

NA

**9939IBMY**

## IBMYP AVID 6

Advancement Via Individual Determination A.V.I.D. is a sequential foundational organizational curriculum intended for 6th grade students at all ability levels. The A.V.I.D. strategies including WICOR a focus on writing inquiry collaboration organization and reading skills help students in the middle school setting focus on student success skills. These A.V.I.D. skills are designed for all students and will allow students to decide whether or not to pursue an application to the A.V.I.D. 7th and 8th grade program as well as the high school program.

**4042IBMY**

## IBMYP AVID 7

Advancement Via Individual Determination A.V.I.D. is a sequential foundational organizational curriculum intended for 7th grade students at all ability levels. The A.V.I.D. strategies including WICOR a focus on writing inquiry collaboration organization and reading skills help students in the middle school setting focus on student success skills. These A.V.I.D. skills are designed for all students and will allow students to decide whether or not to pursue an application to the A.V.I.D. 7th and 8th grade program as well as the high school program.

**4043IBMY**

## IBMYP Broadcasting 1

Prerequisite: ELL level 3 through fluent. This class produces a school-wide televised news program. Students will research and write original material based on current issues and school events. Students will co-star in the filming and broadcasting of each newscast

**5284IBMY**

## IBMYP Dance

This class teaches a variety of multicultural dances including salsa, swing, native African dance, and much more. Students will dance with partners and as individuals. Participation and a positive attitude is the key to success in this physically active form of artistic expression.

**3097IBMY**

## IBMYP Drama 7

This class provides an introductory experience to creative dramatics.

**5073IBMY**

## IBMYP Drama 8

This class provides an introductory experience to creative dramatics.

**5074IBMY**

## IBMYP Skills for Adolescence

The objectives of this course are to: 1. Introduce the culture of our school 2. Teach practice and give feedback on specific skills 3. Reinforce the culture of the Discovery program to ensure that all students realize what is expected of them and what they can expect of the staff and 4. Help students succeed academically and socially.

**8160IBMY**

## IBMYP Study Skills ELA 6

Language Arts Study Skills courses provide instruction in basic language skills, integrating reading, writing, speaking, and listening, while placing great emphasis on the progress of individual students. Course content depends upon students' abilities and may include vocabulary building, improving spelling and grammar, developing writing and composition skills, reading silently or aloud, and improving listening and comprehension abilities.

**8736IBMY**

## IBMYP Study Skills ELA 7

Language Arts Study Skills courses provide instruction in basic language skills, integrating reading, writing, speaking, and listening, while placing great emphasis on the progress of individual students. Course content depends upon students' abilities and may include vocabulary building, improving spelling and grammar, developing writing and composition skills, reading silently or aloud, and improving listening and comprehension abilities.

**8826IBMY**

## IBMYP Study Skills ELA 8

Language Arts Study Skills courses provide instruction in basic language skills, integrating reading, writing, speaking, and listening, while placing great emphasis on the progress of individual students. Course content depends upon students' abilities and may include vocabulary building, improving spelling and grammar, developing writing and composition skills, reading silently or aloud, and improving listening and comprehension abilities.

**8946IBMY**

### IBMYP Yearbook 6-8

A semester course Yearbook covers all phases of yearbook production. Students learn to design layouts write copy organize materials select photographs and function as a cooperative member of a publications staff.

### Media Aide

Students will be responsible to support the Media Center in their workload requests. Duties will be as assigned but will not include grading of papers or leaving campus. Students are responsible for timely attendance and prompt completion of tasks. Student will remain in the Media Center area unless otherwise delegated by their supervisor.

### Office Aide

Students will be responsible to support office areas in their workload requests. Duties will be as assigned but will not include grading of papers or leaving campus. Students are responsible for timely attendance and prompt completion of tasks. Student will remain in their assigned office area unless otherwise delegated by their supervisor.

### IBMYP Fitness & Wellness

The course integrates the basic components of fitness and wellness in understanding human health in order to achieve wellbeing. This course offers current information in the health field and provides self-assessments for health risks and wellness behaviors. This includes lifestyle modification, nutrition, weight management, stress management, cardiovascular and cancer risk reduction, exercise and aging, exercise related injury, exercise and the environment, prevention of sexually transmitted diseases, substance abuse (including tobacco, alcohol and other psychoactive drugs), and analysis and interpretation of research publications and websites in health and wellness.

### IBMYP PE 6

This is an activity course designed around developing physical fitness and wellness desirable social traits knowledge of a variety of activities and developing motor skill. Depending upon which semester (fall/spring) a student is scheduled the variety of core activities includes soccer volleyball flag football basketball softball tumbling racquet skills aerobics fitness testing track and field and rhythms. This does not preclude that a school site would teach as deemed appropriate supplementary activities that fit the weather conditions class make-Up and facilities.

### IBMYP PE 7

This is an activity course designed around developing physical fitness and wellness desirable social traits knowledge of a variety of activities and developing motor skill. Depending upon which semester (fall/spring) a student is scheduled the variety of core activities includes soccer volleyball flag football basketball softball tumbling racquet skills aerobics fitness testing track and field and rhythms. This does not preclude that a school site would teach as deemed appropriate supplementary activities that fit the weather conditions class make-Up and facilities.

### 5130IBMY

### 8116MS

### 8114MS

### 9520IBMY

### 3500IBMY

### 3505IBMY

### IBMYP PE 7 S1

This is an activity course designed around developing physical fitness and wellness desirable social traits knowledge of a variety of activities and developing motor skill. Depending upon which semester (fall/spring) a student is scheduled the variety of core activities includes soccer volleyball flag football basketball softball tumbling racquet skills aerobics fitness testing track and field and rhythms. This does not preclude that a school site would teach as deemed appropriate supplementary activities that fit the weather conditions class make-Up and facilities.

### IBMYP PE 7 S2

This is an activity course designed around developing physical fitness and wellness desirable social traits knowledge of a variety of activities and developing motor skill. Depending upon which semester (fall/spring) a student is scheduled the variety of core activities includes soccer volleyball flag football basketball softball tumbling racquet skills aerobics fitness testing track and field and rhythms. This does not preclude that a school site would teach as deemed appropriate supplementary activities that fit the weather conditions class make-Up and facilities.

### IBMYP PE 8

This course offered in both 1st and 2nd semester changes according to appropriateness of activities in fall (1st semester) and spring (2nd semester). Physical activities are similar to seventh grades but motor skills are further refined and new lead-Up activities offered as it fits the eighth-Grade student. Scoliosis screening occurs during the year accomplished by PSD nursing and physical education staff.

### IBMYP PE 8 S1

This course offered in both 1st and 2nd semester changes according to appropriateness of activities in fall (1st semester) and spring (2nd semester). Physical activities are similar to seventh grades but motor skills are further refined and new lead-Up activities offered as it fits the eighth-Grade student. Scoliosis screening occurs during the year accomplished by PSD nursing and physical education staff.

### IBMYP PE 8 S2

This course offered in both 1st and 2nd semester changes according to appropriateness of activities in fall (1st semester) and spring (2nd semester). Physical activities are similar to seventh grades but motor skills are further refined and new lead-Up activities offered as it fits the eighth-Grade student. Scoliosis screening occurs during the year accomplished by PSD nursing and physical education staff.

### IBMYP Newcomer Sci 6-8

This course is designed for all students and is the third of three courses that meets the Colorado State and Poudre School District Content Standards for Science grades 6 - 8. The major topics covered in the 8th grade are: Forms and Transfer of Energy: Physics; Properties of Matter: Chemistry; Living Systems: Ecology and Earth Systems - Earth's Composition Processes and History.

### IBMYP Science 6

This course is designed for all students and is the first of three courses that meets the Colorado State and Poudre School District Content Standards for Science grades 6 - 8. The major topics covered in the 6th grade are: Forms and Transfer of Energy - Renewable vs. Non-renewable Energy; Properties of Matter - Phases and Changes; Living Systems - The Human Body and Diseases; Earth Systems -The Solar System and the Universe

### 3505S1IB

### 3505S2IB

### 3525IBMY

### 3525S1IB

### 3525S2IB

### 6504IBMY

### SC624

### **IBMYP Science 7**

**SC724**

This course is designed for all students and is the second of three courses that meets the Colorado State and Poudre School District Content Standards for Science grades 6 - 8. The major topics covered in the 7th grade are: Forms and Transfer of Energy - Waves - Light and Sound Energy; Properties of Matter - Atomic and Molecular Structure; Living Systems - Classification The Cell and Genetics; Earth Systems - Atmosphere Weather and Water.

### **IBMYP Science 8**

**SC824**

This Coordinated science course is level three of five levels and is designed to meet both the Colorado State and PSD Content Standards and the Aims Objectives and Framework for the Middle Years Program of the International Baccalaureate. The major topics covered include: study skills atomic theory atomic classification chemical bonding scientific measurement solution chemistry chemical cycles earthscapes spacescapes gravity motion energy mechanics electricity and magnetism.

### **IBMYP Science 8 H**

**SC825**

The curriculum follows the guidelines of the required Science 8 class. Honors students are given additional and more in depth curriculum. Honors students are expected to be focused, self-motivated, and independent learners.

### **IBMYP Science Olympiad 6-8**

**6735IBMY**

This is a science elective class. The course is modeled after the nationally recognized Science Olympiad competition. This course will allow students to explore all areas of science. Sample topics may include: astronomy crime solving trajectory egg drop and orienteering.

### **Costa Rica Environmental Exped**

**6779MS**

Students enrolled in this course will travel to Costa Rica during the summer for a study of the diversity of flora, fauna, and biomes in Costa Rica. Conservation methods will be discussed and analyzed as part of the Costa Rican culture. In addition this course offers students the opportunity to develop many of the 21st century skills needed in today's world including traveling abroad cultural immersion and service learning. There will be mandatory student meetings outside of school time to prepare for the trip and help with student project selections and presentations (authentic assessments) as well as sharing information about Costa Rica culture and behavioral expectations.

### **IBMYP Newcomer SS 6-8**

**7014IBMY**

This course is designed for students with minimal English proficiency. Students will develop an understanding and language about their physical surroundings including home school community state country and continent through the use of maps and globes. The instruction will focus on the five themes of geography including place location movement interaction and region.

### **IBMYP Soc Studies 6**

**SS634**

This course is designed to meet both the Colorado State and PSD Content Standards and the Aims Objectives and Framework for the Middle Years Program of the International Baccalaureate. Sixth Grade Geography is a study of the patterns and interactions of countries in the Western Hemisphere. Students will determine information about people places and environment through the use and construction of geography tools. From an understanding of the physical and human characteristics of places students will study the effects of the interaction between human and physical systems. With an emphasis on resource distribution and use students will determine how economic political cultural and social processes interact to shape patterns of human populations interdependence cooperation and conflict. The 21st century skills of critical thinking problem solving communication collaboration and cross-cultural understanding will be emphasized throughout the course.

### **IBMYP Soc Studies 7**

**SS734**

This course will teach students how to organize and analyze geographic information. The course content includes both physical and cultural geography as well as analyzing human organization and its environmental consequences. Students will investigate specific cultures from Africa Asia Europe the Middle East and South America.

### **IBMYP Soc Studies 8**

**SS834**

The honors United States History course will teach students how to organize and to analyze historical information. This course requires extensive reading writing research and participation. The course content includes the following units: Exploration and Settlement Development of Constitutional America The Expanding Nation and the U.S. Comes of Age in the 20th Century

### **IBMYP Global Leadership**

**7028IBMY**

This leadership class focuses on developing identity, giving/receiving feedback, following through to reach goals, and helping students to succeed academically and socially. Additionally, this is an elective class for students to be involved in service - in their school, community, and each other. Students will learn what it means to be a leader in various aspects of their different communities. Curriculum includes service learning, team-building, leadership, culture, and communication.

### **IBMYP Soc Studies 8 H**

**SS835**

This course requires extensive reading, writing, research and participation. The content will be taught rigorously and analyzed in depth. Students must be able to work independently as well as collaboratively.

### **IBMYP Tech Ed 6**

**2000IBMY**

Introduction to Technology/Engineering is an exciting and fast paced hands-on/minds-on class. Students will explore areas of technology and engineering from electronics, rocketry, robots and other technology related areas. During each unit, Science Technology Engineering and Math (STEM) concepts will be integrated to provide the student with 21st century skills and help build technological literacy. This class will provide the foundation for additional Technology Education curriculum offered to seventh and eighth grade students. Student projects will align with The Design Cycle (Investigate, Plan, Create, Evaluate) for both student design and evaluation. Safe and proper use of equipment will be integrated in the course.

## **IBMYP Tech Ed 7**

Exploring Technology/Engineering 7 addresses the development of technology and how it is changing our world. Students learn to use technology-related tools including computers, lasers, telecommunication equipment, transportation systems, production equipment, robots, wind tunnels. Engineering concepts are also integrated throughout the course. Student projects will align with The Design Cycle (Investigate, Plan, Create, Evaluate) for both student design and evaluation. Safe and proper use of equipment will be integrated in the course.

**2001IBMY**

## **IBMYP Tech Ed 8**

Applying Technology/Engineering 8 is an opportunity for students to further their knowledge of STEM related areas. It provides students with a chance to expand on information they've gained in previous classes in areas such as computer applications, robotics, transportation and work both individually and as teams in STEM areas. In this class students will explore, research and develop applications for future technologies. This class is important for students wishing to continue in the technology education program at the high school level. Student projects will align with The Design Cycle (Investigate, Plan, Create, Evaluate) for both student design and evaluation. Safe and proper use of equipment will be integrated in the course.

**2002IBMY**

## **IBMYP Game Prog Dig Tech 7**

Take your knowledge of computers and programming to the next level with this course. Digital citizenship, multimedia and presentation, research, data collection and analysis, information literacy, online research, and computational thinking will be explored through creative projects. Computational thinking and logical problem solving are a focus throughout the course.

**1759IBMY**

## **IBMYP Web 2.0 Comp Tech 6**

This class focuses on the safe and responsible use of Web 2.0 technology for productivity and communication. Concepts covered include digital citizenship, multimedia and presentation, research, data collection and analysis, information literacy, online research, and computational thinking. Students apply skill and knowledge to communicate ideas through quality projects.

**1602IBMY**

## **IBMYP Web Des/Comp Anim 8**

Have fun publishing for the web while learning techniques in image editing, design, animation, HTML programming, and web design. This course will incorporate 21st century skills while working collaboratively to design and create innovative digital works. Careers and life-long learning opportunities will be explored

**1800IBMY**

## **IBMYP Spanish 1B**

This, the second half of level 1, course meets the Colorado Academic Standards for novice-mid communication proficiency. Students communicate in spontaneous spoken and written conversations, identify the general topic and some basic information in texts, using a variety of practiced or memorized words, phrases, and simple sentences, on both very familiar and everyday topics. Language acquisition activities promote learning in context by being immersed in comprehensible language, emphasizing communication over form.

**4729MY**

## **IBMYP Spanish Level 1A Gr 6**

This course, the first half of level 1, meets the Colorado Academic Standards for novice-low communication proficiency. Students communicate in spontaneous spoken and written conversations, identify the general topic and some basic information in texts, using practiced or memorized words and phrases, on both very familiar and everyday topics. Language acquisition activities promote learning in context by being immersed in comprehensible language, emphasizing communication over form.

**4728MYA6**

## **IBMYP Spanish Level 1A Gr 7**

This course, the first half of level 1, meets the Colorado Academic Standards for novice-low communication proficiency. Students communicate in spontaneous spoken and written conversations, identify the general topic and some basic information in texts, using practiced or memorized words and phrases, on both very familiar and everyday topics. Language acquisition activities promote learning in context by being immersed in comprehensible language, emphasizing communication over form.

**4728MYA7**

## **IBMYP Spanish Literacy Intro 1**

This middle school class is intended for students with good Spanish language comprehension but limited literacy skills. Students will improve their communication and literacy skills of reading and writing. Students gain an amplified vocabulary and enhanced understanding of fundamentals of Spanish grammar. This course addresses the World Language standards of communication culture connections and comparisons.

**4911IBMY**

## **Spanish Literacy 2A**

This middle school version is the first half of the course is intended for students with good Spanish language comprehension but basic literacy skills. Students will improve their communication and literacy skills of reading and writing. Activities include reading and responding to short stories in written and oral presentations and group activities. Students gain an enhanced understanding of fundamentals of Spanish grammar. This course addresses the World Language standards of communication culture connections and comparisons.

**4912A**

## **Spanish Literacy 2B**

This middle school version is the second half of the course is intended for students with good Spanish language comprehension but basic literacy skills. Students will improve their communication and literacy skills of reading and writing. Activities include reading and responding to short stories in written and oral presentations and group activities. Students gain an enhanced understanding of fundamentals of Spanish grammar. This course addresses the World Language standards of communication culture connections and comparisons.

**4912B**