CENTRAL BUCKS SCHOOL DISTRICT
2027-2028

MIDDLE SCHOOL PROGRAM OF STUDIES
GRADES SIX, SEVEN AND EIGHT

HOLICONG MIDDLE SCHOOL
2900 HOLICONG ROAD
DOYLESTOWN, PA 18902
267.893.2700

TAMANEND MIDDLE SCHOOL
1492 STUCKERT ROAD
WARRINGTON, PA 18976
267.893.2900

LENAPE MIDDLE SCHOOL
313 WEST STATE STREET
DOYLESTOWN, PA 18901
267.893.2800

TOHICKON MIDDLE SCHOOL
5051 OLD EASTON ROAD
DOYLESTOWN, PA 18902
267.893.3300

UNAMI MIDDLE SCHOOL
160 SOUTH MOYER ROAD
CHALFONT, PA 18914
267.893.3400

SIXTH GRADE CORE SUBJECTS

Teachers and counselors have recommended a program of studies based on each student's abilities, interests, goals, and course requirements. Please review the program recommendations and course descriptions contained in this booklet.

GRADE 6 ENGLISH LANGUAGE ARTS

0620 English Language Arts 6

In the 6th grade Reading and English Language Arts course, students engage in a dynamic curriculum aligned with the Pennsylvania Core Standards, focusing on reading, writing, speaking, and listening skills essential for academic success and future readiness. This double block class provides explicit instruction, guided practice, and independent application in word study, vocabulary, comprehension, language conventions, and written composition. With additional instructional time built into the schedule, students read a wide variety of literary and informational texts and participate in shared reading, small group reading, and independent reading. Writing instruction includes narrative, argumentative, and informative modes, using texts as common content. The structure of the course allows for differentiated instruction to meet the needs of all learners.

GRADE 6 MATHEMATICS

2625 Academic Math 6

This course is designed for students who are on-track with grade-level content and material. This course will cover all 6th grade standards preparing students for Academic Math 7 in 7th grade. Topics covered will include number systems and operations, ratio and rate, expressions, equations, inequalities, geometry, and data analysis.

2600 Advanced Math 6

This course is designed for students who have shown significant mastery of fifth grade content. This course will cover sixth and seventh grade standards preparing students to take Algebra 1 in 7th grade. Topics covered will include ratios & proportional reasoning, number systems & operations, equations & inequalities, geometry, data analysis, and probability. Prerequisite: **Criteria for placement includes recommendations from the fifth-grade team based on yearly average, curriculum-based measures, universal screener, and state assessments. For more information consult our CBSD website at https://www.cbsd.org/teaching-and-learning/mathematics/overview**

GRADE 6 SCIENCE

3620 Academic Science 6

Academic Science 6 is an integrated course that covers topics in the life, physical, and environmental sciences. Students will engage in an active learning environment that requires them to ask questions, develop models, plan and carry out investigations, analyze data, solve problems, and construct explanations. Through these authentic learning experiences students will reveal new scientific insights and develop important scientific skills.

GRADE 6 SOCIAL STUDIES

1620 Academic Social Studies 6

In this course, you'll uncover the early stories of human civilization through the theme of "discoveries." You'll explore ancient societies in Mesopotamia, Egypt, India, and China, learning how geography shaped their development and how their innovations continue to influence the world today. While the course emphasizes historical thinking, you'll also use geography to better understand how people lived, governed, and interacted with their environments. Through hands-on activities, inquiry, and research, you'll begin to think like a historian and discover what defines a civilization.

GRADE 6-8 PROGRAM FOR ENRICHMENT (PEN)

Our Gifted Support Program (PEN) for grades 6-8 uses a tiered approach to provide specialized instruction. This program operates on a four-day cycle, with gifted support sessions strategically scheduled at different times for each grade level. Students receive comprehensive support from their PEN teacher through a blended model of pull-out and push-in services, complemented by dedicated Intervention & Enrichment (I&E) sessions throughout the four-day cycle.

SEVENTH GRADE CORE SUBJECTS

Teachers and counselors have recommended a program of studies based on each student's abilities, interests, goals, and course requirements. Please review the program recommendations and course descriptions contained in this booklet.

GRADE 7 ENGLISH LANGUAGE ARTS

0700 Advanced English Language Arts 7
0720 Academic English Language Arts 7
In 7th Grade English Language Arts, students engage in a dynamic and rigorous curriculum aligned with the Pennsylvania Core Standards, emphasizing the development of reading, writing, speaking, and listening skills essential for academic success and future readiness. Students explore a diverse range of literary and informational texts that reflect real-world themes and cultural perspectives, fostering critical thinking and meaningful discussion. They analyze literary elements, structure, and author's craft across genres, strengthen comprehension through close reading strategies, and develop writing skills in narrative, argumentative, and informative formats using evidence-based reasoning. Students also participate in collaborative discussions and presentations to build effective communication skills, while expanding vocabulary and grammar usage through contextual learning and targeted instruction. Students in the Advanced English Language Arts 7 course are expected to be avid readers and sophisticated writers. The course of study includes variations in materials, tasks, and assessments for the advanced level class. Students will encounter challenging texts, discussions, and writing tasks and are expected to have strong reading and writing stamina.

0745 English Language Arts Intervention 7
Assigned as needed
This course is designed to support 7th grade students who are reading below grade level by providing targeted, research-based instruction. Aligned with the Pennsylvania Core Standards for English Language Arts, the program helps students build foundational literacy skills, improve reading fluency, expand vocabulary, and strengthen comprehension through a blended learning model. Students participate in a structured daily routine that includes whole-group instruction focused on reading strategies, vocabulary, and writing, as well as small-group rotations for personalized teacher-led instruction. Students also take part in independent reading and adaptive software practice tailored to their instructional level. They engage with high-interest texts, anchor videos, and interactive activities that promote academic growth and confidence. Regular assessments help monitor progress and guide instruction. Through this intervention, students can achieve up to two years of reading growth in one academic year, preparing them to meet grade-level expectations and succeed across content areas.

GRADE 7 MATHEMATICS

Because of the sequential development of the mathematics curriculum, students must attain the prerequisites in the previous course before advancing to a more difficult level. The prerequisite for each course has been developed with the sole purpose of ensuring students have the skills they need to be successful. These prerequisites must be met before entering the course. Students who do not meet the prerequisite for the next sequential math course can elect to retake the course in summer school or during the next school year. For a complete secondary math course sequence visit https://www.cbsd.org/teaching-and-learning/mathematics/middle-school-math

2700 Advanced Algebra 1
This course is designed for students who have successfully completed Advanced Math 6 and have demonstrated excellent mathematical ability. Students in this class are typically two years above grade level in mathematics. It extends previously learned arithmetic skills to expressions involving variables. Major topics include linear equations and inequalities in one and two variables, exponents and polynomials, factoring, quadratic equations, proportions, functions, radicals, rational expressions, and data analysis. Problem solving, application, communication and reasoning are emphasized throughout the course. Students in this class will take the Algebra 1 Keystone Exams. **Criteria for placement includes recommendations from the sixth grade team based on yearly average, curriculum-based measures, universal screener, and state assessments. For more information consult our CBSD website at https://www.cbsd.org/teaching-and-learning/mathematics/middle-school-math**

2712 Accelerated Math 7
This course is designed to cover both seventh and eighth grade standards. This accelerated course will prepare students to take Accelerated Algebra 1 in eighth grade. Topics covered will include proportional relationships, number systems, equations and inequalities in one variable, similarity, slope, linear relationships, exponents, area, volume, data analysis, sampling, probability, transforming

geometric figures, and constructing geometric figures**. Criteria for placement includes a recommendation from the sixth-grade team based on yearly average, curriculum-based measures, universal screener, and state assessments. For more information consult our CBSD website at https://www.cbsd.org/teaching-and-learning/mathematics/middle-school-math**

2725 Academic Math 7
This course is designed for students who are on-track with grade-level content and material. This course will cover all 7th grade standards preparing students for Academic Math 8 in 8th grade. Topics covered will include proportional relationships, operations involving rational numbers, expressions, equations, & inequalities, geometry, data analysis, and probability.

2745 Math Intervention 7
Assigned as needed
This course is designed for students who would benefit from additional support to meet grade-level standards in mathematics. It focuses on reinforcing foundational skills and addressing learning gaps to build confidence and competence in core concepts.

GRADE 7 SCIENCE

3720 Academic Science 7
Academic Science 7 is an integrated course that covers topics in the life, physical, and environmental sciences. Students will engage in an active learning environment that requires them to ask questions, develop models, plan and carry out investigations, analyze data, solve problems, and construct explanations. Through these authentic learning experiences students will reveal new scientific insights and develop important scientific skills.

GRADE 7 SOCIAL STUDIES

1720 Academic Social Studies 7
In this course, you'll explore how civilizations across the world encountered one another and shaped human history. Building on the foundations from 6th grade, you'll focus on world civilizations such as Greece, Rome, the Middle East, Europe, and the Americas—examining how geography, government, and economics help us understand their development. The course emphasizes historical thinking. You'll also engage in hands-on and experiential learning, along with opportunities for research and inquiry. As you study the contributions and complexities of past societies, you'll strengthen your skills as a scholar and deepen your understanding of what defines a civilization.

GRADE 7 WORLD LANGUAGES

4080 Spanish 1A
Spanish 1A is an introductory course in which students begin developing skills in listening, speaking, reading, and writing in Spanish. Students will learn to greet others, introduce themselves, describe family and friends, talk about daily activities, and express likes, preferences, and future plans. Cultural explorations of Spanish-speaking countries such as Mexico, Puerto Rico, and Guatemala are integrated throughout the course to build global awareness and appreciation. By the end of Spanish 1A, students will be able to communicate about familiar topics in simple sentences and engage in novice conversations in the target language.

4070 French 1A
French 1A is an introductory course in which students begin developing skills in listening, speaking, reading, and writing in French. Students will learn to greet others, introduce themselves, describe family and friends, talk about school life and daily activities, and express likes, dislikes, and preferences. Cultural explorations of French-speaking regions such as France, Canada, Algeria, Tunisia, Morocco, and Martinique are integrated throughout the course to build global awareness and appreciation. By the end of French 1A, students will be able to communicate about familiar topics in simple sentences and engage in novice conversations in the target language.

4078 Passports & Perspectives
Assigned as needed
Passports & Perspectives is an engaging course designed to introduce middle school students to the world of languages and cultures. Students will develop strategies for acquiring vocabulary, recognizing patterns, and practicing basic communication skills. Through interactive activities and cultural comparisons, students will explore how language reflects identity and values, and how their own language and culture compare and contrast with those of others around the world. This course fosters curiosity, global awareness, and appreciation for diverse perspectives, preparing students for future language study and cultural experiences. *This course is assigned as needed and runs opposite 7th Grade Math: Math Intervention 7 and/or 7th Grade ELA: English Language Arts Intervention 7.

GRADE 6-8 PROGRAM FOR ENRICHMENT (PEN)

Our Gifted Support Program (PEN) for grades 6-8 uses a tiered approach to provide specialized instruction. This program operates on a four-day cycle, with gifted support

sessions strategically scheduled at different times for each grade level. Students receive comprehensive support from their PEN teacher through a blended model of pull-out and push-in services, complemented by dedicated Intervention & Enrichment (I&E) sessions throughout the four-day cycle.

EIGHTH GRADE CORE SUBJECTS

Teachers and counselors have recommended a program of studies based on each student's abilities, interests, goals, and course requirements. Please review the program recommendations and course descriptions contained in this booklet.

GRADE 8 ENGLISH

0800 Advanced English Language Arts
0820 Academic English Language Arts

In 8th Grade English Language Arts, students participate in a rich and engaging curriculum aligned with the Pennsylvania Core Standards, emphasizing essential skills in reading, writing, speaking, and listening to support academic achievement and future preparedness. They engage with a diverse selection of literary and informational texts that highlight real-world issues and cultural viewpoints, fostering critical thinking and thoughtful dialogue. Through close reading, students examine literary techniques and authorial choices to deepen comprehension. Writing instruction focuses on narrative, argumentative, and informative styles, encouraging evidence-based reasoning. Additionally, students enhance their communication abilities through collaborative discussions and presentations, while expanding vocabulary and grammar through meaningful, context-driven learning. The Advanced English 8 course integrates reading, literature study, writing, researching, speaking, and thinking skills. Students in this course are expected to be avid readers and sophisticated writers. In this course, students will encounter challenging texts, discussions, and writing and are expected to have strong reading and writing stamina. **Prerequisite: (0700) Advanced English 7, *A* or *B* or teacher recommendation; (0720) Academic English 7, *A* or *A-* or teacher recommendation.**

0845 English Language Arts Intervention 8

Assigned as needed

This course is designed to support 8th grade students who are reading below grade level by providing targeted, research-based instruction in the foundations of reading and writing. Aligned with the Pennsylvania Core Standards for English Language Arts, the program helps students build foundational literacy skills, improve reading fluency, expand vocabulary, and strengthen comprehension through a blended learning model. Students participate in a structured daily routine that includes whole-group instruction focused on reading strategies, vocabulary, and writing, as well as small-group rotations for personalized teacher-led instruction. Students also take part in independent reading and adaptive software practice tailored to their instructional level. They engage with high-interest texts, anchor videos, and interactive activities that promote academic growth and confidence. Regular assessments help monitor progress and guide instruction. Through this intervention, students can achieve up to two years of reading growth in one academic year, preparing them to meet grade-level expectations and succeed across content areas.

GRADE 8 MATHEMATICS

Because of the sequential development of the mathematics curriculum, students must attain the prerequisites in the previous course before advancing to a more difficult level. The prerequisite for each course has been developed with the sole purpose of ensuring students have the skills they need to be successful. These prerequisites must be met before entering the course. Students who do not meet the prerequisite for the next sequential math course can elect to retake the course in summer school or during the next school year. For a complete secondary math course sequence visit https://www.cbsd.org/teaching-and-learning/mathematics/middle-school-math

2800 Advanced Geometry

This course is designed for students who have successfully completed Algebra 1 or Algebra 1B. Geometry/Trig has three major sections: The Foundation (Units 1-2), The Heart (Units 3-5), and The Application (Units 6-8). In *The Foundation* students will learn about proper mathematical communication. Students will learn to make logical arguments and justify their rationale for problem solving steps. In *The Heart* students will focus on Triangles (Rules & Relationships, Similarity, Congruence, and Right Triangle Trigonometry). Finally, in *The Application*, students will apply concepts from throughout the course to Polygons, Quadrilaterals, and Circles. Students will conclude the course by reviewing Area & Perimeter of Plane Figures and studying Surface Area & Volume of Solids. There will be an emphasis on applying algebra to geometric figures and applying geometric concepts to real world scenarios. **Prerequisite: Advanced Algebra 1, *B-* (80%) or teacher recommendation.**

2812 Accelerated Algebra 1

This course is intended for college-bound students who have successfully completed Accelerated Math 7 and have

demonstrated excellent mathematical ability. Algebra 1 extends previously learned arithmetic skills to expressions involving variables. Major topics include linear equations and inequalities in one and two variables, exponents and polynomials, factoring, quadratic equations, proportions, functions, radicals, rational expressions, and data analysis. Problem solving applications, communication and reasoning are emphasized throughout the course. Students in this class will take the Algebra 1 Keystone Exams. **Prerequisite: Accelerated Math 7 (*B-*, 80% or higher) or teacher recommendation.**

2825 Academic Math 8
This course is designed for students who are on-track with grade-level content and material. This course will cover all 8th grade standards preparing students for Algebra 1A or Algebra 1 in 9th grade. Topics covered will include transformational geometry, linear equations and applications, relationships and functions, statistics and probability, real numbers and Pythagorean Theorem, exponents, scientific notation, and volume.

2845 Math Intervention 8
Assigned as needed
This course is designed for students who would benefit from additional support to meet grade-level standards in mathematics. It focuses on reinforcing foundational skills and addressing learning gaps to build confidence and competence in core concepts.

GRADE 8 SCIENCE

3800 Advanced Science 8
Science 8 is an integrated course that covers topics in the life, physical, and Earth/space sciences. As in Science 7, students will engage in an active learning environment that requires them to ask questions, develop models, plan and carry out investigations, analyze data, solve problems, and construct explanations. Through these authentic learning experiences students will reveal new scientific insights and develop important scientific skills.

The Advanced Science 8 course of study includes variations in materials, tasks, and assessments. Advanced students will complete more demanding assignments and study additional material beyond that expected in the Academic level. Further, Advanced students will be required to complete a challenging scientific investigation focusing on the important role of the scientific method in the analysis of a problem. **Prerequisite: Academic Science 7, *A-* average or teacher recommendation.**

3820 Academic Science 8
Science 8 is an integrated course that covers topics in the life, physical, and Earth/space sciences. As in Science 7, students will engage in an active learning environment that requires them to ask questions, develop models, plan and carry out investigations, analyze data, solve problems, and construct explanations. Through these authentic learning experiences students will reveal new scientific insights and develop important scientific skills.

GRADE 8 SOCIAL STUDIES

1800 Advanced Social Studies 8
In this course, you'll explore the story of the United States from the 18th through the 19th century. You'll learn about Colonial America, the American Revolution, and the creation of our government. Then you will follow the nation's growth through the Civil War, Reconstruction, westward expansion, and the rise of industry and immigration. You'll also complete a research project where you'll build a historical argument and support it with evidence from both primary and secondary sources. Throughout the year, you'll sharpen your critical thinking and communication skills while diving into big ideas in history, geography, economics, and government. This course is designed for students who want a more challenging and in-depth study of American history. You'll complete rigorous assignments, explore additional content, and conduct an extensive research project using both primary and secondary sources. Expect to engage with complex ideas and develop strong academic habits that prepare you for future honors-level work. **Prerequisite: Academic Social Studies 7, *A* or *A-* or teacher recommendation and an enthusiasm for history.**

1820 Academic Social Studies 8
In this course, you'll explore the story of the United States from the 18th through the 19th century. You'll learn about Colonial America, the American Revolution, and the creation of our government. Then you will follow the nation's growth through the Civil War, Reconstruction, westward expansion, and the rise of industry and immigration. Along the way, you'll sharpen your critical thinking and communication skills while diving into big ideas in history, geography, economics, and government. This course helps you understand how the past shapes the world you live in today.

GRADE 8 WORLD LANGUAGES

4081 Spanish 1B

Spanish 1B builds on the foundational communication skills developed in Spanish 1A through continued study of vocabulary, grammar, and cultural perspectives. Students strengthen their proficiency in listening, speaking, reading, and writing as they communicate about topics such as food, health and wellness, hobbies, sports, travel, transportation, geography, nature, and the environment. Through the exploration of Spanish-speaking countries and cultures, students develop intercultural understanding while expanding their ability to communicate in a variety of real-world contexts using present and past time frames. The course emphasizes meaningful communication, cultural awareness, and the continued development of language-learning strategies that support increasing independence and proficiency in Spanish. **Prerequisite: *C-* or higher in Spanish 1A.**

4071 French 1B

French 1B builds on the foundational communication skills developed in French 1A through continued study of vocabulary, grammar, and cultural understanding. Students strengthen their proficiency in listening, speaking, reading, and writing as they communicate about school, hobbies, leisure activities, food, weather, clothing, celebrations, and places in the community. Students also develop the ability to describe themselves and others, make plans, and discuss past events in French. Through the exploration of the Francophone culture, including Paris, Normandy, and the Loire Valley, as well as Québec, the Maghreb, and French café culture, students gain a deeper appreciation for the diversity of the French-speaking world. By the end of the course, students will be able to understand and communicate basic information in French about familiar topics, daily experiences, and cultural perspectives using a variety of vocabulary and grammatical structures. **Prerequisite: *C-* or higher in French 1A.**

4078 Passports & Perspectives

Assigned as needed

Passports & Perspectives is an engaging course designed to introduce middle school students to the world of languages and cultures. Students will develop strategies for acquiring vocabulary, recognizing patterns, and practicing basic communication skills. Through interactive activities and cultural comparisons, students will explore how language reflects identity and values, and how their own language and culture compare and contrast with those of others around the world. This course fosters curiosity, global awareness, and appreciation for diverse perspectives, preparing students for future language study and cultural experiences.***This course runs opposite to 8th Grade Math: Math Intervention 8 and/or 8th Grade ELA: English Language Arts Intervention 8.**

GRADE 6-8 PROGRAM FOR ENRICHMENT (PEN)

Our Gifted Support Program (PEN) for grades 6-8 uses a tiered approach to provide specialized instruction. This program operates on a four-day cycle, with gifted support sessions strategically scheduled at different times for each grade level. Students receive comprehensive support from their PEN teacher through a blended model of pull-out and push-in services, complemented by dedicated Intervention & Enrichment (I&E) sessions throughout the four-day cycle.

ART

8650 Grade 6 Art

This course follows a Disciplined-Based Art Education (DBAE) approach while aligning with national standards for visual arts education. Students will engage in a dynamic, hands-on exploration of artistic techniques, concepts, and cultural connections. Through both two-dimensional and three-dimensional projects, students will investigate color, texture, and form, while exploring a variety of artistic genres and styles . They will use line, shape, and space to create depth and meaning in their work while drawing inspiration from historical and contemporary artists. By blending skill-building with creative exploration, this course allows teachers the flexibility to tailor projects to students' interests. Beyond creating art, students will explore self-expression, creativity, and the meaningful role art plays in different communities and time periods.

8750 Grade 7 Art

This course builds upon the skills emphasized in the Elementary art program. Students focus on the possible studio units of drawing, painting, printmaking, ceramics, and sculpture. Students produce a variety of two and three-dimensional art works. Art History is integrated throughout the course. Art movements, from the late 1800's to the early 1920's will be explored. Students continue to develop knowledge and skills in the disciplines of Art Criticism, Aesthetics and Philosophy, through various activities including critiques, class discussions, reflections, and writings.

8850 Grade 8 Art

This course extends concepts, skills, and prior experiences. The possible studio units focused upon include advanced intermediate skills and concepts in drawing, painting, commercial art, architecture, crafts, and animation. In Art History, students will study the artistic styles that were developed beginning in 1915 until the end of the 20th century. A variety of art movements and artists will be introduced and explored. Students will further develop knowledge and skills related to the disciplines of Aesthetics, Philosophy, and Art Criticism using critiques and discussions.

8655 Collaborative Art 6
8755 Collaborative Art 7
8855 Collaborative Art 8

Collaborative Art is an elective course that offers a unique opportunity for students of varying ability levels and backgrounds to collaborate and serve as both, a peer mentor and learner. This course is designed to provide students (with and without disabilities) the opportunity to experience art in a modified and safe environment. The focus of this course is on the academic and social growth of all participants. Engaging in art alongside peers will support and foster social relationships within the school community. This course will allow each student to gain an appreciation and understanding of the various abilities that are present in an artistic setting. This course will be offered according to the scheduling needs of the building.

BUSINESS AND INTEGRATED TECHNOLOGY

5636 Integrated Technology 6

In this course, students will build foundational technology skills by learning effective file management and using Office 365 tools for productivity and collaboration. Students will also explore careers in marketing, accounting, and management, developing communication, organization, and critical thinking skills. Through portfolio creation and mock interviews, students will connect their personal strengths to real-world career paths and gain confidence in their ability to succeed in a digital and professional environment.

5637 Integrated Technology 7

Throughout this course, students will display technology competencies through project-based learning. An instructional model will develop empowered learners by maintaining a digital portfolio of projects utilizing Microsoft Suite applications. Students will recognize feedback from digital tools, make adjustments based on feedback, and use age-appropriate technology to share. This work will prepare students for the technology skills required for high school, college, and career.

5638 Integrated Technology 8

Integrated Technology 8 introduces students to the essentials of entrepreneurship through the application of how entrepreneurs utilize technology to start and operate companies. During the progression of the course, students will collect data to create a business, based on a need within the community. After identifying the need, students will construct a business plan using the MS Office Suite, along with creating and presenting a variety of marketing elements including a commercial and/or a website. This project-based course will utilize Central Bucks Technology Standards, which builds upon the K-7 technology toolkit.

COMPASS

9600 Compass 6
Compass 6 is a course designed to equip middle school students with essential strategies that foster success both in school and beyond. Through engaging activities, students build essential competencies across three interconnected units. Academic skill building includes study strategies, strengthening executive functioning skills and emphasizing personal responsibility with a focus on Digital Citizenship. Social skill building covers collaboration, communication and problem solving. Personal skill building allows students to explore their own mindset and motivation as they prepare for future academic and career endeavors, including compiling career readiness artifacts in alignment with Pennsylvania middle school requirements**.**

9700 Compass 7
9800 Compass 8
Compass 7 and Compass 8 builds upon the foundation established in Compass 6 through deeper exploration of academic, social, and personal development. Through engaging learning experiences, collaborative projects, and real-world applications, students continue to strengthen executive functioning skills, personal responsibility, communication, and problem-solving abilities. Developmentally appropriate resources, media, and learning experiences reinforce Digital Citizenship concepts and help students navigate the opportunities and challenges commonly encountered during the middle school years. Students also continue to investigate academic and career pathways through the required Pennsylvania career readiness requirements.

FAMILY & CONSUMER SCIENCES

6650 Family and Consumer Sciences 6
This engaging course offers 6th-grade students the opportunity to develop foundational life skills through two comprehensive units: Food Science & Nutrition and Personal Finance & Consumer Skills. Students will learn about kitchen safety, basic cooking techniques, and the impact of food choices on their health. In the Personal Finance and Consumer Skills unit, students will discover how to manage money wisely by understanding the connection between work, income, saving, and spending. Whether they are preparing a recipe or a budget, students will walk away with confidence and skills they can use now and in the future.

6750 Family and Consumer Sciences 7
In 7th grade Family and Consumer Sciences, students will develop essential life skills through hands-on learning in the areas of food science, sewing, and child development. In the Food Science Unit, they'll learn how to safely prepare recipes, understand where food comes from, and make informed nutritional choices using food labels. In our Resource Management Unit, students will master the basics of clothing care, sustainability, and machine sewing through creative projects. Finally, they'll explore early childhood development and what it means to be a responsible caregiver. This course empowers students to make smart, nutritional, and responsible choices at home and in their community.

6850 Family and Consumer Sciences 8
In 8th Grade Family and Consumer Sciences students gain real-world skills through four key areas: food science, career exploration, human development, and financial literacy. They'll enhance their culinary abilities with intermediate level recipes, while learning about nutrition, energy needs, and food safety. Students will also explore workplace readiness by practicing interviewing, communication, and teamwork. Through the study of family life stages and personal goal setting, they'll build self-awareness and decision-making skills. In the finance unit, students will learn how to manage a budget, compare income types, and become informed consumers. This course empowers students to confidently navigate everyday responsibilities and plan for their future.

6655 Collaborative Family Consumer Science 6
6755 Collaborative Family Consumer Science 7
6855 Collaborative Family Consumer Science 8
Collaborative Family Consumer Science is an elective course that offers a unique opportunity for students of varying ability levels and backgrounds to collaborate and serve as both, a peer mentor and learner. This course is designed to provide students (with and without disabilities) the opportunity to learn skills from family consumer science in a modified and safe environment. The focus of this course is on the academic and social growth of all participants. Engaging in work alongside peers will support and foster social relationships within the school community. This course will allow each student to gain an appreciation and understanding of the various abilities that are present in the family consumer science setting. This course will be offered according to the scheduling needs of the building.

MUSIC

Students may elect to take a performing ensemble music class in sixth, seventh and eighth grades. Students choose from band, orchestra, or chorus. Please note: Only students enrolled in curricular music performance classes (Chorus, Band and Orchestra) are eligible to audition for the BCMEA County Music Festival, and (afterschool) select music ensembles. (Exploring Music does not qualify as a performance class.) Students who do not enroll in band, orchestra, or chorus will be enrolled in an exploring music course.

8554 Chorus 6
8754 Chorus 7
8854 Chorus 8
These courses are designed for students who desire to develop their interest in music through singing and other activities. Development of vocal skills and technique will be taught, and students will experience singing a wide variety of musical styles, including multi-part arrangements. Students will learn how to read a musical score. Additional experiences may include aspects of Theatre Arts and other performance experiences. Opportunities for public performance will help students to build confidence and a sense of accomplishment, both individually and collectively. **Prerequisite: None**

8652 Band 6
8752 Band 7
8852 Band 8
These courses are designed for students who play band instruments in the woodwind, brass, and percussion families. Students experience playing in a variety of musical styles and will continue their development of musical skills and techniques. Instruction includes learning to read and interpret musical scores. Public performances throughout the year help students build confidence, teamwork, and a sense of accomplishment. **Prerequisite for Band: Successful completion of Grade 5,6,7 band or the equivalent.**

8653 Orchestra 6
8753 Orchestra 7
8853 Orchestra 8
These courses are designed for students who play violin, viola, cello, or double bass. Students will focus on developing essential string techniques, ensemble skills, and musical expression. Through rehearsal and performance, they will explore a variety of musical styles and build confidence as string performers. Emphasis is placed on tone production, music reading, and collaborative musicianship in a supportive ensemble setting. Public performances throughout the year help students build confidence, teamwork, and a sense of accomplishment. **Prerequisite for Orchestra 6: Successful completion of Grade 5,6,7 orchestra or the equivalent.**

8651 Exploring Music 6
In this engaging and hands-on course, students will discover the many dimensions of music through active participation and creative exploration. From learning about diverse music genres to developing rhythmic skills, students will build a strong foundation in musical understanding. Whether performing, listening, or creating, students will gain a deeper appreciation for music and its role in the world around them.

8751 Exploring Music 7
In this interactive course, students will continue developing their musical abilities through expanded performance and creative opportunities. Building on prior ukulele experience, students will refine their playing skills and explore ensemble performance. Students will dive deeper into music production, using digital tools and keyboard controllers to create and manipulate sound. The course also explores the role of music in theater and film, examining how scores enhance storytelling and emotion. Through performance, technology, and listening, students will gain a deeper understanding of music's expressive power.

8851 Exploring Music 8
This course invites students to deepen their musical skills and understanding through hands-on experiences and creative exploration. Students will learn to play guitar, gaining confidence in basic chords and strumming techniques. They'll study song form and structure, analyzing how music is built and how it communicates ideas and emotions. Through music production activities, students will experiment with digital tools to create and edit their own musical projects. The course also introduces students to a variety of music-related careers, helping them discover the many paths available in the world of music.

8675 Collaborative Music 6
8775 Collaborative Music 7
8875 Collaborative Music 8
Collaborative Music is an elective course that offers a unique opportunity for students of varying ability levels and backgrounds to collaborate and serve as both, a peer mentor and learner. This course is designed to provide stu-

dents (with and without disabilities) the opportunity to experience music in a modified environment. The focus of this course is on the academic and social growth of all participants. Engaging in music alongside peers will support and foster social relationships within the school community. This course will allow each student to gain an appreciation and understanding of the various abilities that are present in a music setting. This course will be offered according to the scheduling needs of the building.

PHYSICAL EDUCATION

7650 Physical Education 6
The 6th grade Physical Education program is designed to teach students the skills, knowledge, and attitudes essential for living a healthy lifestyle. In this course, students will explore fundamental physical and social skills. They will develop personal responsibility and team-building abilities through collaborative activities. Team activities such as invasion games and ultimate games will foster strategic thinking and teamwork. The fitness concepts unit will cover the components of physical fitness and promote lifelong fitness habits. Dance and movement activities will encourage creative expression and coordination, while racquet games will enhance hand-eye coordination and agility. Each unit is intended to foster a supportive and active learning environment.

7651 Health Education 6
The 6th Grade Health Education program is designed to teach students the skills needed to stay healthy and safe. Students will practice mental and emotional health by recognizing emotions, managing stress, and using positive coping strategies. They will learn how to build strong friendships, communicate respectfully, and resolve conflicts. Safety lessons will include topics such as recognizing bullying and cyberbullying. Students will also learn about the dangers of alcohol, tobacco, and other drugs, as well as how to resist peer pressure. Finally, they will study the changes that occur during adolescence and how body systems function within the human growth and development unit. These lessons help students make informed choices for a healthy life.

7750 Physical Education 7
The 7th grade Physical Education program is a comprehensive course designed to teach students the skills, knowledge, and attitudes essential for living a healthy lifestyle. In this course, students will explore the dimensions of wellness through physical activity. Students completing this course will participate in a variety of physical education activities, including lifetime activities, team building, team games, fitness concepts, racquet sports, and personal responsibility. Skills-based instruction is integrated to ensure students develop practical abilities that can be applied in real-life situations.

7751 Health Education 7
The 7th Grade Health Education program is designed to empower students to take charge of their health and well-being through skills-based learning experiences. Students will explore key topics such as mental and emotional wellness, healthy relationships, substance use and abuse, human growth and development, violence prevention and safety, healthy eating, and personal wellness. Lessons focus on building health literacy, developing decision-making skills, and understanding how social and environmental factors influence health. Students will learn to apply these skills in real-life situations to support their own well-being and positively impact others.

7850 Physical Education 8
The 8th Grade Physical Education program is designed to teach students the skills, knowledge, and attitudes essential for living a healthy lifestyle. In this course, students will explore the many dimensions of wellness through physical activity experiences. Students completing this course will participate in a variety of physical education activities, including Personal Responsibility and Team-building, where they will develop skills in teamwork, cooperation, and personal accountability; Team Activities, which involve engaging in various team sports and cooperative games to enhance social skills and physical fitness; Fitness Concepts, understanding the components of fitness and their relationship to physical activity; Dance and Movement, exploring creative expression through dance and movement activities; Racquet Activities, learning and practicing skills in racquet sports such as tennis and badminton; and Lifetime Activities, participating in activities that promote lifelong fitness and wellness. Emphasis will be placed on fitness, its components, and their relationship to physical activity.

7851 Health Education 8
The 8th Grade Health Education program is to equip students with the knowledge and skills necessary to make informed decisions that promote lifelong health and well-being. Students will explore key topics such as mental and emotional health, human growth and development, violence prevention and safety, healthy eating, personal health and wellness, healthy relationships, and alcohol, tobacco, and other drugs. Students will engage in age-appropriate activities and discussions that foster informed decision-making, self-awareness, and responsible behaviors.

7655 Collaborative Physical Education 6
7755 Collaborative Physical Education 7
7855 Collaborative Physical Education 8
Collaborative Physical Education is an elective course that offers a unique opportunity for students of varying ability levels and backgrounds to collaborate and serve as both, a peer mentor and learner. This course is designed to provide students (with and without disabilities) the opportunity to experience all forms of sport activities in a modified, recreational, and safe environment. The focus of this course is on the physical, intellectual, and social growth of all participants. Engaging in physical activity and sport alongside peers will support and foster social relationships within the school community. This course will allow each student to gain an appreciation and understanding of the various physical and mental abilities and disabilities that can be present in a physical activity setting. This course can take the place of the required 6th, 7th or 8th grade Physical Education course. This course will be offered as either a 6th, 7th or 8th grade course according to the scheduling needs of the building.

TECHNOLOGY AND ENGINEERING EDUCATION

6651 STEM 6
Students will begin their Science, Technology, ENGINEERING and Mathematics (STEM) middle school experience by continuing their QUEST elementary education as they are reintroduced to the foundations of STEM through minds on, hands-on project-based learning. Students will interact with small woodworking machines and tools, drawing tools, basic physical coding in robotics, computer aided design (CAD), 2D subtractive manufacturing machines such as a laser engraver, vinyl cutter and 3D printing additive technology. Projects may include a technical drawing, a small woodshop project, robotics with microcontrollers and other design and prototype-based activities. Emphasis is placed on individual and teamwork by applying the engineering design and problem-solving process to fun and engaging real-world challenges. STEM 6 lays the foundation to develop technological literacy within the STEM framework.

6751 STEM 7
In STEM 7, students deepen their understanding of engineering concepts by working on more complex designs and projects. Topics will include intermediate physical coding in robotics, energy and structures, applied mathematics skills with architecture and engineering, and continued use of CAD, 3D design and printing with other digital design and cutting tools such as a laser engraver, 3D printer and vinyl cutter. Students will analyze problems, test prototypes, and refine solutions according to the engineering design and problem-solving process while building resilience and persistence in their project-based work. Projects may include CO2 dragsters, mousetrap vehicles, rockets, models and a small woodshop project. Emphasis is placed on connecting classroom learning to real-world applications as they continue their journey in developing technological literacy within STEM.

6851 STEM 8
In 8th grade STEM, students are challenged to integrate their accumulated knowledge from previous STEM courses into advanced, multi-step projects. They will use woodshop machines and tools, interact with robotic controllers, code and sensors, observe and explore 3D printing, laser engraving, and vinyl cutting with higher level CAD techniques. Students will work by themselves and in teams to tackle closed and open-ended engineering problems. Projects that may include CO2 dragsters, mousetrap vehicles, rockets, models and a woodshop project. Technological literacy is strengthened in STEM 8 as they prepare for high school-level Science, Technology, ENGINEERING, Art and Mathematics (STEAM) classes.

CENTRAL BUCKS SCHOOL DISTRICT
6th – 8th Grade Elective Courses Information and Sample Schedules

At the heart of our middle school program is a commitment to the philosophy that young adolescents thrive when given opportunities to explore a wide range of disciplines, discover their interests, and develop essential skills for lifelong learning.

In alignment with this philosophy, all students in grades 6 through 8 participate in a full rotation of elective courses. This model ensures all students are exposed to a variety of subjects—music, art, physical education, health, family and consumer science, integrated tech, STEM, and Compass (see course descriptions for more information about all electives classes). This experience allows students to begin identifying areas of passion and strength. By engaging in a variety of learning experiences from all elective areas, students build foundational knowledge across disciplines while cultivating curiosity, creativity, and confidence.

With this in mind, we are committed to providing an equitable experience for all students but recognize it is essential for our Music Ensemble students to remain in their ensemble class for the duration of the year. To ensure this happens, students follow one of two scheduling pathways throughout their middle school years:

- **Music Ensemble Pathway:** Students enrolled in band, choir, or orchestra remain in their ensemble class year-round on a four-day rotation. Within this pathway, students engage with the skills students learn during their Compass 6, Compass 7, and Compass 8 electives. Compass curriculum—Compass 6, Compass 7, and Compass 8—within their ensemble course taught by their music teacher. When possible, the skills from Compass are embedded through instruction that integrates these skills into their ensemble experience. Sometimes that may not be possible, so ensemble teachers will also deliver separate Compass lessons to be sure all students leave middle school with the same foundational knowledge.

- **Exploring Music Pathway**: Students not participating in a music ensemble receive general music instruction as part of their elective rotation. These students are scheduled for Compass 6, Compass 7, and Compass 8 as standalone elective courses, ensuring they receive the same skill development in a format tailored to their schedule.

This dual-pathway model honors student choice, while maintaining equitable access to core learning experiences.

Please note:
- If a student is interested in participating in instrumental AND vocal music, the student should register for the band or orchestra class.
- Because of music staffing schedules, there can be NO GUARANTEES that any student will be able to be involved in more than one performing music class during the school day.
- If a student is involved in more than one music performing class, the amount of participation in each class will be determined by the music teachers, based on the musical needs of the class and of the student (This does not mean a 50-50-split between classes). The student will only receive a grade in their instrumental music class.

Potential 6th Grade
Music Ensemble Student Schedule Sample

Student Schedule Grade 6 Day 1				
Period	MP 1	MP 2	MP 3	MP 4
1	ELA			
2	ELA			
I/E	I/E			
3	Social Studies			
4	Math			
5	Music (Band, Orchestra, or Choir)			
LUNCH	6th Grade Lunch			
6	Math			
7	Science			

Student Schedule Grade 6 Day 2				
Period	MP 1	MP 2	MP 3	MP 4
1	ELA			
2	ELA			
I/E	I/E			
3	Social Studies			
4	Math			
5	PE 6		Health 6	
LUNCH	6th Grade Lunch			
6	Math			
7	Science			

Student Schedule Grade 6 Day 3 and 4				
Period	MP 1	MP 2	MP 3	MP 4
1	ELA			
2	ELA			
I/E	I/E			
3	Social Studies			
4	Math			
5	Art 6	FCS 6	STEM 6	Int. Tech 6
LUNCH	6th Grade Lunch			
6	Math			
7	Science			

Potential 6th Grade
Exploring Music Student Schedule Sample

Student Schedule Grade 6 Day 1				
Period	MP 1	MP 2	MP 3	MP 4
1	ELA			
2	ELA			
I/E	I/E			
3	Math			
4	Science			
5	Exploring Music 6		Compass 6	
LUNCH	6th Grade Lunch			
6	Social Studies			
7	Math			

Student Schedule Grade 6 Day 2				
Period	MP 1	MP 2	MP 3	MP 4
1	ELA			
2	ELA			
I/E	I/E			
3	Math			
4	Science			
5	PE 6		Health 6	
LUNCH	6th Grade Lunch			
6	Social Studies			
7	Math			

Student Schedule Grade 6 Day 3 and 4				
Period	MP 1	MP 2	MP 3	MP 4
1	ELA			
2	ELA			
I/E	I/E			
3	Math			
4	Science			
5	Art 6	FCS 6	STEM 6	Int. Tech 6
LUNCH	6th Grade Lunch			
6	Social Studies			
7	Math			

Potential 7th Grade
Music Ensemble Student Schedule Sample

Student Schedule Grade 7 Day 1 and Day 2				
Period	MP 1	MP 2	MP 3	MP 4
1	Music (Band, Orchestra, or Choir)			
2	Art 7	FCS 7	STEM 7	Int Tech 7
I/E	I/E			
3	Social Studies			
4	Science			
Lunch	7th Grade Lunch			
5	English			
6	Math			
7	World Language			

Student Schedule Grade 7 Day 3 and 4				
Period	MP 1	MP 2	MP 3	MP 4
1	Physical Education		Health	
2	Art 7	FCS 7	STEM 7	Int Tech 7
I/E	I/E			
3	Social Studies			
4	Science			
Lunch	7th Grade Lunch			
5	English			
6	Math			
7	World Language			

Potential 7th Grade
Exploring Music Student Schedule Sample

Student Schedule Grade 7 Day 1 and Day 2				
Period	MP 1	MP 2	MP 3	MP 4
1	Music		Compass 7	
2	Art 7	FCS 7	STEM 7	Int Tech 7
I/E	I/E			
3	Social Studies			
4	Science			
Lunch	7th Grade Lunch			
5	English			
6	Math			
7	World Language			

Student Schedule Grade 7 Day 3 and 4				
Period	MP 1	MP 2	MP 3	MP 4
1	Physical Education		Health	
2	Art 7	FCS 7	STEM 7	Int Tech 7
I/E	I/E			
3	Social Studies			
4	Science			
Lunch	7th Grade Lunch			
5	English			
6	Math			
7	World Language			

Potential 8th Grade
Music Ensemble Student Schedule Sample

Student Schedule Grade 8 Day 1 and Day 2				
Period	MP 1	MP 2	MP 3	MP 4
1	World Language			
2	Math			
I/E	I/E			
3	Social Studies			
Lunch	8th Grade Lunch			
4	Science			
5	English			
6	Music (Band, Orchestra, or Choir)			
7	Art 8	FCS 8	STEM 8	Integrated Tech 8

Student Schedule Grade 8 Day 3 and 4				
Period	MP 1	MP 2	MP 3	MP 4
1	World Language			
2	Math			
I/E	I/E			
3	Social Studies			
Lunch	8th Grade Lunch			
4	Science			
5	English			
6	Physical Education		Health	
7	Art 8	FCS 8	STEM 8	Integrated Tech 8

Potential 8th Grade
Exploring Music Student Schedule Sample

Student Schedule Grade 8 Day 1 and Day 2				
Period	MP 1	MP 2	MP 3	MP 4
1	World Language			
2	Math			
I/E	I/E			
3	Social Studies			
Lunch	8th Grade Lunch			
4	Science			
5	English			
6	Music		Compass 8	
7	Art 8	FCS 8	STEM 8	Integrated Tech 8

Student Schedule Grade 8 Day 3 and 4				
Period	MP 1	MP 2	MP 3	MP 4
1	World Language			
2	Math			
I/E	I/E			
3	Social Studies			
Lunch	8th Grade Lunch			
4	Science			
5	English			
6	Physical Education		Health	
7	Art 8	FCS 8	STEM 8	Integrated Tech 8