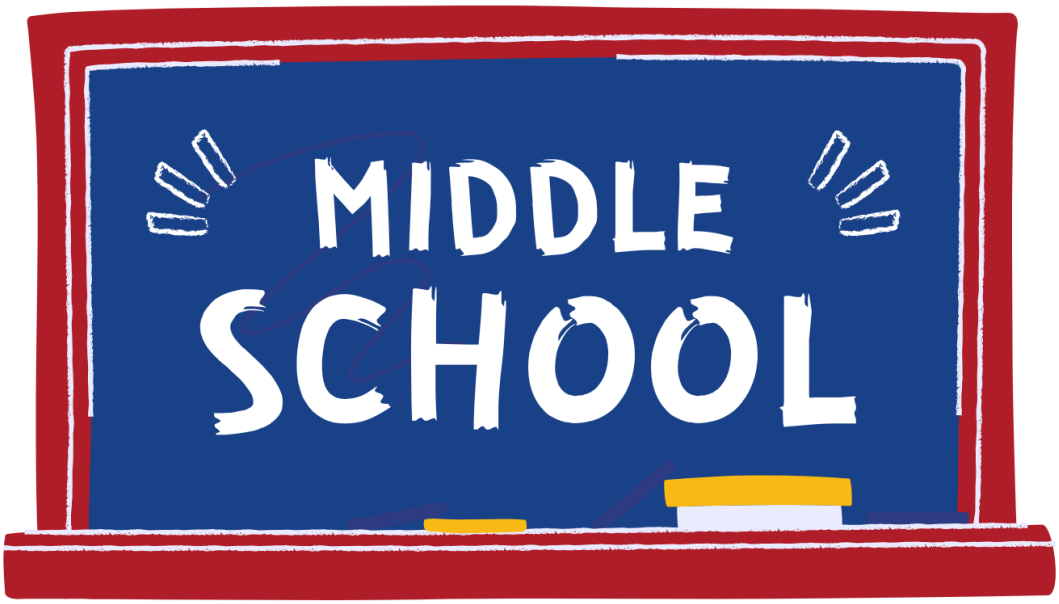
Kalamazoo Public Schools

Every child. Every opportunity. Every time.



BULLETIN OF COURSES

ENGLISH LANGUAGE ARTS • MATHEMATICS • SCIENCE
SOCIAL STUDIES • PHYSICAL EDUCATION
VISUAL, PERFORMING AND APPLIED ARTS • HEALTH
WORLD LANGUAGES • COMPUTER APPLICATIONS

2026-2027

HILLSIDE MIDDLE SCHOOL

LINDEN GROVE MIDDLE SCHOOL

MAPLE STREET MAGNET SCHOOL FOR THE ARTS

MILWOOD MAGNET SCHOOL

KPS VIRTUAL

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LOOKING AHEAD TO NEXT YEAR…

BUILDING A SCHEDULE THAT'S RIGHT FOR **YOU**

The first step in the scheduling process is for parents and students to review this bulletin together and choose elective courses to complete a schedule. Course offerings and descriptions are listed in sections by grade level. Please read the appropriate grade-level section and complete the course selection sheet that the counselor gave you. Returning the course selection sheet to school as soon as possible will reasonably ensure that you get the elective courses of your choosing.

THE MIDDLE SCHOOL SCHEDULE

The KPS middle schools operate on a semester schedule. On the semester schedule, the school year is divided into two, 18-week sections. Marking period grades are issued every nine weeks; twice per semester.

Sample School Year on the Semester Schedule	
Semester 1: August - January	Semester 2: January - June

All middle school students are scheduled into seven, 50-minute class periods per day. During each of the three middle school years, students are required to take a full year of English Language Arts, math, science, and social studies. In addition, students are also required to take one semester (18 weeks) of physical education during each of their middle school years.

ACADEMIC REQUIREMENTS	
Two Semesters (full year per grade level)	One Semester (18 weeks per grade level)
• English Language Arts • Mathematics • Science • Social Studies	• Physical Education • Promising Pathways Success I - 6th Grade: Self discovery, Personal Foundations and Exploration

In addition to the above requirements, students performing below grade level in reading or math (as indicated by state and local assessments) will have an additional period to build core academic skills in the area of need. Opportunity for elective courses (such as art, music, life skills/physical education, Chinese, or Spanish) will be limited until grade-level expectations are met.

Students performing at or above grade level will have the opportunity to choose elective courses of interest such as art, music, life skills, physical education, Chinese, or Spanish. Students may choose to take most elective courses for either one or two semesters.

TEST RESULTS - HOW THEY INFLUENCE SCHEDULING	IMPORTANT!
It is important that you understand the relevance of district and state-wide testing (such as the NWEA measurement of academic progress) that is used to determine placement into academic courses. Students who exceed expectations may be recommended for advanced English and/or math courses. Advanced math could put you on track to earn high school credits while still in middle school. Likewise, low test results will help to identify students in need of additional support in the area of mathematics and reading.	

COURSE DESCRIPTIONS ARE LISTED BY GRADE LEVEL

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Grade 7 . . . . . Page 16
Grade 8 . . . . . Page 29

Welcome to 6th Grade!

Dear Incoming 6th Grade Students and Parents/Guardians,

Before you know it, you will be walking through the doors of middle school! And because it will be here faster than you think, we have already begun to plan for your sixth-grade year. An important first step in planning is to determine which courses are appropriate for you. We will be evaluating your performance on district and state tests to determine which English Language Arts and mathematics courses will serve you best. That is one reason why it is important that you always do your best; not only on classroom tests, but also on district-wide tests such as MAP and M-STEP.

While most of the courses you take in sixth grade are required, you will be able to choose some courses of interest such as art, music, Chinese, and Spanish. These are called "electives." However, if your test results indicate that you need some support with your reading and math skills, then you will be required to take extended learning courses. Your opportunity to take elective courses will be limited until grade-level expectations are met.

This booklet describes the various courses that are available. We ask that you and your parent/ guardian review this booklet together and choose elective courses to complete your schedule.

Please indicate your choices on the course selection sheet that your counselor provided. Make sure your parent/guardian signs the bottom of the form and return it to school tomorrow. Once we receive your course selection sheet, we will begin to develop a sixth-grade schedule that is right for you.

Best wishes for an exciting and rewarding middle school experience!

SAMPLE SEMESTER SCHEDULE GRADE 6								
		1st Period	**2nd Period**	**3rd Period**	**4th Period**	**5th Period**	**6th Period**	**7th Period**
SEMESTER 1	AUGUST - JANUARY	MATH	ELA	SCIENCE	SOCIAL STUDIES	PHYSICAL EDUCATION	ELECTIVE ***OR*** READING STRATEGIES AND SUCCESS SKILLS ***OR*** ALGEBRA READINESS	ELECTIVE ***OR*** READING STRATEGIES AND SUCCESS SKILLS ***OR*** ALGEBRA READINESS
SEMESTER 2	JANUARY - JUNE	MATH	ELA	SCIENCE	SOCIAL STUDIES	PROMISING PATHWAYS SUCCESS I - 6th GRADE		

COURSE REQUIREMENTS

Full-Year (36 weeks)

- English Language Arts or Advanced English Language Arts 6
- Mathematics or Advanced Mathematics 6
- Science 6
- Social Studies 6

One-Semester (18 weeks)

- Physical Education 6
- Promising Pathways Success I - 6th Grade: Self Discovery, Personal Foundations and Exploration

ELECTIVES

ELA or math extended learning courses are required for students performing below grade level as indicated by the results on state and local tests. Opportunities for elective courses will be limited.

Students who are not required to take extended ELA or math courses will choose elective courses to complete their schedule.

GRADE 6: REQUIRED ACADEMIC COURSES

All sixth-grade students are required to take the core academic courses below. Students are scheduled into the appropriate ELA and math courses as determined by test scores and teacher recommendation. Academic support courses are also required for students performing below grade level as indicated by state and local test results.

ENGLISH LANGUAGE ARTS

English Language Arts 6
REQUIRED • 2 Semesters (full year)
Course # 30610
This course provides a balanced literacy program to guide students to become proficient readers and writers and help them learn to speak and listen effectively. Students will demonstrate understanding of figurative language and nuances in word meanings, analyze central ideas and themes, and make logical inferences to understand both informational and narrative text. Students will concentrate on the writing process with a focus on narrative, argumentative, and informational writing.

OR

Advanced English Language Arts 6
ENGLISH OPTION • 2 Semesters (full year)
Course # 30612
This course moves at a faster pace and delves deeper into literature and writing skills. The advanced study highlights elements of persuasion. Opportunities are presented for impromptu, informative, and persuasive speeches, debate, small and large group discussion, and critical reasoning. Persuasive writing, reasoning, research, and language study are included throughout the study.

English Language Learners – See page 8 for course options.

MATHEMATICS

Mathematics 6
REQUIRED • 2 Semesters (full year)
Course # 50610
Sixth grade math offers a well-developed integrated mathematics foundation (all strands of math). Topics of study include number theory, rational numbers, two-dimensional geometry and measurement, probability, an introduction to algebra, positive and negative numbers, scientific notation, and spatial visualization. Graphing calculator technology will be used in the later units of study to help visualize mathematical relationships and to better allow students to tackle real life problems.

OR

Advanced Mathematics 6
MATH OPTION • 2 Semesters (full year)
Course # 50612
Students may enroll in this advanced mathematics course which is designed to prepare students for 7th Grade Advanced Math and Algebra I in 8th Grade. This course will move at an accelerated pace covering all of the 6th grade math standards and half of the 7th grade standards.

PHYSICAL EDUCATION

6th Grade Physical Education
REQUIRED • 1 Semester (18 Weeks)
Course # 65610
Scheduling Note: This course is the required PE class for 6th grade.
This course provides students with an opportunity to achieve and maintain a health and wellness level of physical fitness. Students will increase their knowledge of health-related fitness, motor skills, and individual and team sports. Activities and sports covered may vary based on semester taken.

GRADE 6: REQUIRED ACADEMIC COURSES

All sixth-grade students are required to take the core academic courses below. Students are scheduled into the appropriate ELA and math courses as determined by test scores and teacher recommendation. Academic support courses are also required for students performing below grade level as indicated by state and local test results.

SCIENCE

Science 6
REQUIRED • 2 Semesters (full year)
Course # 70610
This course develops students' understanding of major concepts pertaining to physical, earth, life, and health sciences and develops an understanding of engineering. Major topics of study include the rock cycle, Michigan's geologic history, energy transformations, ecosystems, and the engineering design process. Students will begin to develop laboratory and scientific research skills through hands-on experiments, observations, presentations, discussions, and text resources.

SOCIAL STUDIES

Social Studies 6
REQUIRED • 2 Semesters (full year)
Course # 80610
This course provides students with an understanding of the regions of the world in the Eastern and Western hemispheres and the people who live there. Students are challenged to use the tools of geography to view, analyze, and understand the world around them. The course will integrate informational reading and writing including visual literacy with the study of charts, graphs, and maps.

GRADE 6: REQUIRED ELECTIVE COURSES

CAREER EDUCATION

Promising Pathways Success I - 6th Grade: Self Discovery, Personal Foundations and Exploration
REQUIRED ELECTIVE ● 1 Semester (18 weeks)
Course # 01615
This required course introduces students to the essential personal, academic, and social-emotional foundations for middle school success. The curriculum centers on developing a Growth Mindset and mastering effective Study Skills, Key Learning Techniques, and time management. Students begin the Educational Development Plan (EDP) by conducting an initial interest inventory using the RIASEC (Realistic, Investigative, Artistic, Social, Enterprising, Conventional) framework for self-discovery. Students will start their Educational Development Plan (EDP) documenting personal interests and foundational academic goals. The goal is to successfully transition students to the increased demands of middle school by fostering self-awareness and organizational competence.

GRADE 6: ACADEMIC SERVICES

EXTENDED LEARNING

Students performing below grade level in language arts or math, as indicated by the results on state and local assessments, will have an additional period to build core academic skills. Opportunities for elective courses such as art, music, physical education, Chinese, or Spanish will be limited until grade-level expectations are met.

Algebra Readiness
REQUIRED FOR STUDENTS MEETING THE CRITERIA
Course # 506782
This course is designed to build on students' current mathematical understanding to progress toward mastery of grade-level standards. The class provides instruction that will support the core-curricular math course, while also addressing individual skills needed to provide students successful experiences in mathematics. Successful completion of this course helps students prepare for success in mathematics including algebra.

Reading Strategies and Success Skills 6
REQUIRED FOR STUDENTS MEETING THE CRITERIA
Course # 30651
Reading Strategies and Success Skills 6 is designed to help students improve their reading and writing skills and strategies with narrative and informational text, word identification, and fluency. Successful completion of this course helps students succeed in cross-curricular classes.

MILWOOD MIDDLE SCHOOL
Foundations for Academic Success
REQUIRED FOR STUDENTS MEETING THE CRITERIA ● 1 Semester (18 weeks)
Course # 3067831
This academic assistance class is designed to provide targeted support for students, centered around the ELA and math competencies. The class has been created to support students who need additional help developing their math and reading skills. Over the span of 18 weeks, students will engage in focused learning experiences that address their individual needs in math (9 weeks) and reading (9 weeks), enhance their understanding of key concepts, and build confidence in their abilities.

GRADE 6: ACADEMIC SERVICES

ENGLISH LANGUAGE DEVELOPMENT

LINDEN GROVE, MAPLE STREET, AND MILWOOD MAGNET SCHOOLS

ELD 1: Entering
ENGLISH PLACEMENT • 2 Semesters (full year)
Course # 35110
This course focuses on foundational English language skills for students at the Entering proficiency level. Emphasis is placed on building listening and speaking skills, including basic vocabulary and simple sentence structures. Students will learn to respond to greetings, follow simple instructions, and engage in basic conversations. Foundational literacy skills, such as decoding and recognizing sight words, are also introduced.

ELD 2: Emerging
ENGLISH PLACEMENT • 2 Semesters (full year)
Course # 35210
In this course, students progress to the Emerging proficiency level. Emphasis is placed on expanding communication skills, including asking and answering questions, engaging in simple conversations, and understanding short written texts. Writing instruction focuses on constructing complete sentences and short paragraphs using familiar vocabulary and phrases. The course integrates content from other subjects to help students develop academic language.

ELD 3: Developing
ELECTIVE • 2 Semesters (full year)
Course # 35310
Designed for students at the Developing proficiency level, this course emphasizes the use of English in academic and social contexts. Students will engage in longer conversations, read and comprehend multi-paragraph texts, and write organized paragraphs. The curriculum includes academic vocabulary development, critical reading strategies, and collaborative discussions to prepare students for mainstream classes.

ELD Literacy
ELECTIVE • 2 Semesters (full year)
Course # 350430
This standalone course is designed for students needing additional support in foundational literacy skills. Emphasis is placed on reading fluency, phonics, academic language, comprehension strategies, and writing basics. The curriculum includes phonics, vocabulary development, and guided reading activities tailored to students' individual needs. Through targeted instruction, adaptive technology, and interactive activities, students will develop a deeper understanding of texts, enhance their ability to analyze and interpret information, and strengthen their overall literacy skills. This course may be taken alongside ELD 1 or ELD 2.

ENGLISH LANGUAGE DEVELOPMENT INTEGRATED

ELD Numeracy
ELECTIVE • 2 Semesters (full year)
Course # 350450
This course focuses on foundational math skills tailored for English Learner (EL) students, emphasizing both numeracy and academic language development. Students will explore key math concepts such as basic operations, fractions, decimals, and problem-solving strategies. Instruction integrates math vocabulary and language support to help students build confidence and prepare for mainstream math classes.

ELD Science
ELECTIVE • 2 Semesters (full year)
Course # 350470
This course introduces foundational science concepts while supporting English language development. Students will engage in topics such as life sciences, earth sciences, and basic physical sciences through hands-on activities, experiments, and visuals. Emphasis is placed on building academic vocabulary and language structures needed to explain observations, analyze data, and discuss scientific phenomena.

ELD Social Studies
ELECTIVE • 2 Semesters (full year)
Course # 350480
This course provides an introduction to key concepts in history, geography, and civics with a focus on building academic English skills. Students will explore topics such as cultural diversity, community, and basic world history through interactive activities and simplified texts. The course emphasizes vocabulary acquisition, reading comprehension, and critical thinking, preparing students for success in mainstream social studies classes.

GRADE 6: ELECTIVE COURSE OFFERINGS

Students will complete their schedule with the appropriate number of elective courses. Unless otherwise noted, students may choose to take the following courses for one or two semesters. Every attempt will be made to accommodate student choices.

GENERAL ELECTIVES

6th Grade Drama
ELECTIVE • 1 Semester (18 weeks)
Course # 30645
Scheduling Note: This course may be taken only once.
This class is an introduction to drama and acting. Students will learn basic drama vocabulary, perform in short scenes during class, learn the skills of improvisation, and play drama games.

6th Grade Fit for Life
ELECTIVE • 1 Semester (18 weeks)
Course # 65665
This course is designed to promote cardiovascular endurance, flexibility, and muscular strength with emphasis on the combination of strength training, speed and agility training, and cardiovascular health. Students will learn about heart rates, BMI, muscle groups and fitness equipment utilization.

6th Grade Healthy Lifestyles
ELECTIVE • 1 Semester (18 weeks)
Course # 45625
This elective course is taken in addition to the required PE course. Students will combine physical fitness, nutrition education, and positive communication skills to pursue a healthy lifestyle and promote lifelong wellness. They will assess the effect of food choices on individual health, and learn how to plan nutritious meals.

6th Grade Life Skills
ELECTIVE • 1 Semester (18 weeks)
Course # 20635
Offered at Hillside and Linden Grove Middle School
This course is based on skills that will encourage healthful and productive consumer living. Exploratory units include food and nutrition, hand sewing, family and peer relationships, communication, and consumer skills.

Automation and Robotics
ELECTIVE • 1 Semester (18 weeks)
Course # 15620
Offered at all KPS middle schools
Students will explore 21st century skills related to technology, online communication, and productivity tools to produce presentations related to the engineering design process. Students will use programming software VEX Robotics® to invent and innovate solutions to technological problems. Students will also learn about careers related to the history, development, and influence of engineering and robotics.

Computer Science for Innovators and Makers
ELECTIVE ● 1 Semester
Course #: 1567830
Students discover computer science concepts and skills by creating relevant, tangible, and shareable projects. Students will learn programming for the physical world by blending hardware design and software development. Students will design and develop a physical computing device, interactive art installation, or wearable and plan and develop code.

Current Events 6
ELECTIVE ● 1 Semester (18 weeks)
Course # 80653
Offered at Hillside and Linden Grove
Students will use inquiry based learning on current event topics affecting local, state, national and global communities. Units will start by identifying a specific event or topic, researching the context, investigating the effects, class discussions, and developing solutions or a plan of action. Students will be assessed on all of these phases of the process. Small and whole group collaboration will be vital for students to interpret diverse perspectives. Having a diverse range of current event topics will naturally lead to cross curriculum connections.

GRADE 6: ELECTIVE COURSE OFFERINGS

Students will complete their schedule with the appropriate number of elective courses. Unless otherwise noted, students may choose to take the following courses for one or two semesters. Every attempt will be made to accommodate student choices.

GENERAL ELECTIVES

Foundations in Coding
ELECTIVE ● 1 Semester (18 weeks)
Course #: 1567811
This hands-on introductory coding class uses user-friendly tools like Scratch and Code.org. Students will create games, animations, and interactive stories, developing logical thinking, problem-solving, and collaboration skills. This course prepares students for advanced tech classes and explores the connection between coding and real-world
careers.

Green Architecture
ELECTIVE ● 1 Semester (18 weeks)
Course # 7067810
Students learn how to apply the concept of “green” choices to the fields of architecture and construction by exploring dimensioning, measuring, and architectural sustainability as they design affordable housing units.

Magic of Electrons
ELECTIVE ● 1 Semester (18 weeks)
Course #: 7067820
Through hands-on projects, students explore electricity, the behavior and parts of atoms, and sensing devices. They learn knowledge and skills in basic circuitry design, and examine the impact of electricity on the world around them.

MS Creative Writing
ELECTIVE ● 1 Semester (18 weeks)
Course # 3067851
This course is designed to introduce middle school students to the art and craft of creative writing. Students will explore various genres, develop their unique voice, and learn essential writing techniques. Through reading, writing, and peer review, students will enhance their creativity, critical thinking, and communication skills.

MS Dance
ELECTIVE ● 1 Semester (18 weeks)
Course # 656781
Students will learn the basic elements and discipline of formal dance technique. They will explore dance genres such as modern dance, ballet, jazz, hip-hop and cultural dance styles. Movement, improvisation, composition, and dance history will also be explored. Students are required to participate in a dance concert at the end of each term.

MS Novels of Choice (18 weeks)
ELECTIVE ● 1 Semester
Course # 3067859
This course allows students to explore various novels. Students will engage in reading, discussion, and creative projects related to the chosen texts. The goal is to foster a love of reading, develop analytical skills, and encourage personal connection with literature.

GRADE 6: ELECTIVE COURSE OFFERINGS

Students will complete their schedule with the appropriate number of elective courses. Unless otherwise noted, students may choose to take the following courses for one or two semesters. Every attempt will be made to accommodate student choices.

GENERAL ELECTIVES

School Newspaper/Journalism 6
ELECTIVE ● 1 Semester (18 weeks)
Course # 30620
Students in this class will collaboratively create a digital School Newspaper. Students will be assigned different aspects of the newspaper based on their strengths and interests. Contents of the newspaper will range from coverage to global events to school community events. Participating in journalism will support students in being global citizens and positively participating in the digital space. This course will support involvement and participation in creating a strong and united school community.

Tech SMART: Skills, Media, Applications, Research, Thinking
ELECTIVE • 1 Semester (18 weeks)
Course # 15810
This course provides students with essential digital literacy skills including computer fundamentals, digital citizenship, computation thinking, knowledge construction, communication, and innovative design. With reinforcement of foundational technology concepts using a number of web-based programs and tools, students are prepared to leverage technology and thrive in the digital age.

The Exploration of Self through Hip Hop
Elective ● 1 Semester (18 weeks)
Course # 3067855
This course uses hip hop culture and pedagogy as a foundation to support students with their exploration and development of youth voice, socio-emotional learning, self-esteem, classroom and community engagement, and social justice leadership skills.

ART ELECTIVES

6th Grade Art Studio
ELECTIVE • 1 Semester (18 weeks)
Course # 10625
This project-based exploratory art course provides 6th graders with an introduction to creative problem-solving while using a variety of mediums. Students will learn how to use materials and tools appropriately to create personal works of art. Students' work may be selected for exhibitions at the building, district level, and throughout the community.

GRADE 6: ELECTIVE COURSE OFFERINGS

Students will complete their schedule with the appropriate number of elective courses. Unless otherwise noted, students may choose to take the following courses for one or two semesters. Every attempt will be made to accommodate student choices.

MUSIC ELECTIVES

6th Grade Band
ELECTIVE • 2 Semesters (full year)
Course # 60635
Prerequisite: None
This class provides the first opportunities for students to learn how to play traditional band instruments, including: flute, clarinet, saxophone, trumpet, horn, trombone, euphonium, and tuba. Percussion (drums) will be placed after the first 9 weeks of this class. In addition to performing on instruments, this class will focus on music-reading skills and ensemble skills such as blend, balance, intonation, and technique. Students who complete this class are eligible to advance to 7th Grade Band Class, 8th Grade Band Class, and High School Band Classes. Please note: participation in performances during and outside of the school day, possibly occurring in the evening or on the weekend, is a required expectation of this course and part of the overall grade.

6th Grade Choir
ELECTIVE • 2 Semesters (full year)
Course # 60625
Participation in choir includes using skills of part-singing, group-singing, sight-reading, and vocal production. In addition, the curriculum will include instruction in music history, criticism, evaluation, and listening skills. The relationship between music, the other arts, and disciplines outside the arts will be explored. Please note: participation in performances during and outside of the school day, possibly occurring in the evening or on the weekend, is a required expectation of this course and part of the overall grade.

6th Grade General Music
ELECTIVE • 1 Semester (18 weeks)
Course # 60665
Scheduling Note: This course may be taken only once.
This is a non-performance class where students will learn about the elements and purpose of music. Students will also learn about music from different cultures around the world.

6th Grade Orchestra
ELECTIVE • 2 Semesters (full year)
Course # 60645
This class builds upon playing skills and musical knowledge of students who have completed elementary orchestra. Students who complete this class are eligible to advance to 7th Grade Orchestra, 8th Grade Orchestra, and High School Orchestra. Please note: participation in performances during and outside of the school day, possibly occurring in the evening or on the weekend, is a required expectation of this course and part of the overall grade.

Musical Theater
ELECTIVE • 1 Semester (18 weeks)
Course # 6067877
This course is for students interested in musical theater. Students will have the opportunity to rehearse, perform, direct, and choreograph/stage various scenes from the Broadway genre. In addition to performing and producing, students will learn the historical and cultural significance of various Broadway musicals. All students are expected to both perform and direct/produce. Please note: participation in performances during and outside of the school day, possibly occurring in the evening or on the weekend, is a required expectation of this course and part of the overall grade.

WORLD LANGUAGE ELECTIVES

Spanish Explorations
ELECTIVE • 1 Semester (18 weeks)
Course # 90645
A culturally rich introductory course designed to help students explore the Spanish language through communication, culture, and hands-on activities. Students build basic vocabulary, learn simple conversational phrases, and engage with Spanish-speaking cultures in an accessible and engaging format.

GRADE 6: ELECTIVE COURSE OFFERINGS

Students will complete their schedule with the appropriate number of elective courses. Unless otherwise noted, students may choose to take the following courses for one or two semesters. Every attempt will be made to accommodate student choices.

MAGNET SCHOOLS

MAPLE STREET MAGNET SCHOOL FOR THE ARTS

Arabic Culture
ELECTIVE • 1 Semester (18 weeks)
Course # 8067831
This is an introduction to Arabic culture in America and worldwide, to broaden the student's worldview. Included are basic Arabic alphabet and numbers, countries, customs, music, art, clothing, weather, lifestyle, the Arabic lunar calendar, holidays, Arabic industry, celebrities and noteworthy individuals, and an historic overview.

Arabic for Beginners
ELECTIVE • 1 Semester (18 weeks)
Course # 908678
Scheduling Note: Available to students in Grades 6 and 7
This course introduces the basic elements of language. Students will learn greetings, leave-takings, and introductions. They will begin to develop communication skills in a second language, including speaking, listening, reading, and writing. By the end of the course, students will be able to ask and answer basic questions, ask and give information, use the verb *to be* with adjectives, and use gender and adjective agreement.

Music Studio
ELECTIVE • 1 Semester (18 weeks)
Course # 60678751
Scheduling Note: This course may be taken only once per school year.
Students will have access to a practice space where they can work in small groups or independently on musical objectives of their choice. This course seeks to give students a space during the school day to practice independently, recognizing that there are countless roadblocks for students to practice their music after school hours and with a trained music teacher. This course will teach students how to set and work towards short-term and long-term goals, establishing practice techniques and routines, self-assessment strategies, as well as musical literacy and musical analysis skills, all while offering students the flexibility to work on the music and music literacy objectives that they are most interested in studying. Students will demonstrate knowledge and skills through studio recitals and individual growth plans.

Spanish Language Literature I
ELECTIVE • 2 Semesters (full year)
Prerequisite: Participation in dual immersion program at the elementary level or substantial prior Spanish-speaking experience
Course # 90865
This Spanish language literature course will expand students' literacy skills in the Spanish language through the exploration of various genres and elements of authentic Spanish language literature and will provide a great deal of opportunity for oral communication. Students will discover major works of literature from the Pre-Columbian period to the present day. Students will develop their writing skills and acquire information from authentic sources in Spanish to develop research projects and advance their understanding of Spanish grammar. Students must complete Spanish Literature I, II, and III to receive 2.0 high school credits.

GRADE 6: ELECTIVE COURSE OFFERINGS

Students will complete their schedule with the appropriate number of elective courses. Unless otherwise noted, students may choose to take the following courses for one or two semesters. Every attempt will be made to accommodate student choices.

MAGNET SCHOOLS

MILWOOD MAGNET SCHOOL

6th Grade Graphic Design

ELECTIVE • 1 Semester (18 weeks)
Course # 15655
This 6th Grade Graphic Design course will provide students with the opportunity to explore a broad range of state-of-the-art image editing software. This course has been designed to introduce visual problem-solving through contemporary graphic design for the twenty-first century.

6th Grade Video Production

ELECTIVE • 1 Semester (18 weeks)
Course # 20665
This course introduces the care and use of digital video cameras, tripods, audio equipment, and video production software. Camera shots are explored as well as editing video. Pre-production paperwork is introduced. Students will create multiple film productions

KPS VIRTUAL

The following elective is available at KPS Virtual only:

Current Events (Today's Events, Tomorrow's History)

ELECTIVE • 1 Semester (18 weeks) • 0.5 Credit; Course can be repeated
Course # 80531VP – KPS Virtual Only
15 hours of service learning required
Students will become actively involved in their school and community as they investigate global issues facing the world. Units include: Preparing to Participate, The Environment, Human Rights and Responsibilities, The Global Economy, International Cooperation and Conflict, and Issue Investigation and Action Plan determined by current global activity.

Welcome to 7th Grade!

Dear Incoming 7th Grade Students and Parents/Guardians,

Before you know it, your sixth-grade year will come to an end, summer vacation will come and go, and you will be back to school as a seventh grader. And because it will be here faster than you think, we have already begun to plan for your seventh-grade year. An important first step in planning is to determine which courses are appropriate for you.

We will be evaluating your performance on district and state tests to determine which English language arts and mathematics courses will serve you best. That is one reason why it is important that you always do your best; not only on classroom tests, but also on district and state tests such as the M-STEP.

This booklet describes the various courses that are available. We ask that you and your parent/ guardian review this booklet together and choose elective courses to complete your schedule.

Please indicate your choices on the course selection sheet that your counselor gave you to bring home. Make sure your parent/guardian signs the bottom of the form and return it to school tomorrow. Once we receive your course selection sheet, we will begin to develop a seventh-grade schedule that is right for you.

SAMPLE SEMESTER SCHEDULE GRADE 7								
		1st Period	**2nd Period**	**3rd Period**	**4th Period**	**5th Period**	***6th Period***	**7th Period**
SEMESTER 1	AUGUST - JANUARY	MATH	ELA	SCIENCE	SOCIAL STUDIES	PHYSICAL EDUCATION	ELECTIVE ***OR*** READING STRATEGIES AND SUCCESS SKILLS ***OR*** ALGEBRA READINESS	ELECTIVE ***OR*** READING STRATEGIES AND SUCCESS SKILLS ***OR*** ALGEBRA READINESS
SEMESTER 2	JANUARY - JUNE	MATH	ELA	SCIENCE	SOCIAL STUDIES	PROMISING PATHWAYS TO SUCCESS II - 7TH GRADE		

COURSE REQUIREMENTS

Full-Year (36 weeks)

- English Language Arts or Advanced English Language Arts 7
- Mathematics or Advanced Mathematics 7
- Science 7
- Social Studies 7

One-Semester (18 weeks)

- Physical Education 7
- Promising Pathways to Success II - 7th Grade: Integrated Skills Application and Diverse Career Options (Exploration and Application)

Electives

ELA or math extended learning courses are required for students performing below grade level as indicated by results on state and local tests. Opportunities for elective courses may be limited until grade-level expectations are met.

Students who are not required to take extended courses will choose elective courses to complete their schedule.

GRADE 7: REQUIRED ACADEMIC COURSES

All seventh-grade students are required to take the core academic courses below. Students are scheduled into the appropriate ELA and math courses as determined by test scores and teacher recommendation. Academic support courses are also required for students performing below grade level as indicated by state and local test results.

ENGLISH LANGUAGE ARTS

English Language Arts 7
REQUIRED • 2 Semesters (full year)
Course # 30710
This course provides a balanced literacy program to guide students to become proficient readers and writers and help them learn to speak and listen effectively. Students will demonstrate understanding of figurative and connotative meaning of words and analyze central ideas and themes in informational and narrative text while providing textual evidence to support the analysis. Students will concentrate on the writing process with a focus on narrative, argumentative, and informational writing.

OR

Advanced English Language Arts 7
ENGLISH OPTION • 2 Semesters (full year)
Course # 30712
This course moves at a faster pace and delves deeper into literature and writing skills. Advanced students look at historical events and social issues of the 1940s through literature of the decade focusing on the concept of change. Numerous opportunities for reading, writing, listening, and speaking are incorporated into the study. Students make both a written and an oral presentation of their research.

English Language Learners – See page 19 for course options.

MATHEMATICS

Mathematics 7
REQUIRED • 2 Semesters (full year)
Course # 50710
Seventh-grade mathematics offers a well-developed integrated mathematics foundation (all strands of mathematics). Topics of study include similarity, ratios, proportions, percents, linear relationships, three-dimensional measurement, probability, and data analysis.

OR

Advanced Mathematics 7
MATH OPTION • 2 Semesters (full year)
Course # 50712
Students may enroll in this advanced mathematics course which is designed to prepare students for Algebra I in 8th Grade. This course will move at an accelerated pace covering the remaining 7th grade math standards and all of the 8th grade math standards.

PHYSICAL EDUCATION

7th Grade Physical Education
REQUIRED • 1 Semester (18 Weeks)
Course # 65710
Scheduling Note: This course is the required PE class for 7th grade.
This course emphasizes a personal commitment to lifetime activities and fitness for enjoyment, challenge, self-expression, and competitive learning. Students will have opportunities to achieve and maintain a health and wellness level of physical fitness which includes fitness testing, individual and team sports. Activities and sports covered may vary based on semester taken. ***The course will also include a three-week session focused on reproductive health.***

GRADE 7: REQUIRED ACADEMIC COURSES

All seventh-grade students are required to take the core academic courses below. Students are scheduled into the appropriate ELA and math courses as determined by test scores and teacher recommendation. Academic support courses are also required for students performing below grade level as indicated by state and local test results.

SCIENCE

Science 7
REQUIRED • 2 Semesters (full year)
Course # 70710
This course develops students' understanding of major concepts pertaining to physical, earth, life, and health sciences and further develops an understanding of engineering. Major topics of study include renewable energy resources, weather and climate, physical and chemical changes, cells, and heredity. Students will continue to develop laboratory and scientific research skills through hands-on experiments, observations, presentations, discussions, and text resources.

SOCIAL STUDIES

Social Studies 7
REQUIRED • 2 Semesters (full year)
Course # 80710
This course provides students with an understanding of the first three eras of ancient world history including the early civilizations of the Eastern and Western Hemispheres. Students will examine the time periods through the lenses of historians and social scientists. The course will integrate informational reading and writing including visual literacy with the study of charts, graphs, and maps.

GRADE 7: REQUIRED ELECTIVE COURSES

CAREER EDUCATION

PROMISING PATHWAYS TO SUCCESS II - 7th Grade: Integrated Skills Application and Diverse Career Options (Exploration and Application)
REQUIRED ELECTIVE ● 1 Semester (18 weeks)
Course #: 01715
This required course expands on foundational skills by focusing on option awareness and the application of Success Skills in collaborative environments. Students deepen their understanding of their RIASEC profile and actively use it to research and compare diverse post-secondary pathways, including the military, apprenticeships/job training, and college. Career exploration involves analyzing career clusters and the specific educational requirements for these non-traditional paths. Students will research specific career clusters and pathways as they continue to develop their Educational Development Plan (EDP).

GRADE 7: ACADEMIC SERVICES

EXTENDED LEARNING

Students performing below grade level in language arts or math, as indicated by the results on state and local assessments, will have an additional period to build core academic skills. Opportunities for elective courses such as art, music, physical education, Chinese, or Spanish will be limited until grade-level expectations are met.

Algebra Readiness
REQUIRED FOR STUDENTS MEETING THE CRITERIA
Course # 506782
This course is designed to build on students' current mathematical understanding to progress towards mastery of grade-level standards. The class provides instruction that will support the core-curricular math course, while also addressing individual skills needed to provide students with a successful experience in mathematics. Successful completion of this course helps students prepare for success in mathematics including algebra.

Reading Strategies and Success Skills 7
REQUIRED FOR STUDENTS MEETING THE CRITERIA
Course # 30651
Reading Strategies and Success Skills 7 is designed to help students improve their reading and writing skills and strategies with narrative and informational text, word identification, and fluency. Successful completion of this course helps students succeed in cross-curricular classes.

MILWOOD MIDDLE SCHOOL
Foundations for Academic Success
REQUIRED FOR STUDENTS MEETING THE CRITERIA ● 1 Semester (18 weeks)
Course Number: 3067831
This academic assistance class is designed to provide targeted support for students, centered around the ELA and math competencies. The class has been created to support students who need additional help developing their math and reading skills. Over the span of 18 weeks, students will engage in focused learning experiences that address their individual needs in math (9 weeks) and reading (9 weeks), enhance their understanding of key concepts, and build confidence in their abilities.

GRADE 7: ACADEMIC SERVICES

ENGLISH LANGUAGE DEVELOPMENT

LINDEN GROVE, MAPLE STREET, AND MILWOOD MAGNET SCHOOLS

ELD 1: Entering
ENGLISH PLACEMENT • 2 Semesters (full year)
Course #35110
This course focuses on foundational English language skills for students at the Entering proficiency level. Emphasis is placed on building listening and speaking skills, including basic vocabulary and simple sentence structures. Students will learn to respond to greetings, follow simple instructions, and engage in basic conversations. Foundational literacy skills, such as decoding and recognizing sight words, are also introduced.

ELD 2: Emerging
ENGLISH PLACEMENT • 2 Semesters (full year)
Course # 35210
In this course, students progress to the Emerging proficiency level. Emphasis is placed on expanding communication skills, including asking and answering questions, engaging in simple conversations, and understanding short written texts. Writing instruction focuses on constructing complete sentences and short paragraphs using familiar vocabulary and phrases. The course integrates content from other subjects to help students develop academic language.

ELD 3: Developing
ELECTIVE • 2 Semesters (full year)
Course # 3510
Designed for students at the Developing proficiency level, this course emphasizes the use of English in academic and social contexts. Students will engage in longer conversations, read and comprehend multi-paragraph texts, and write organized paragraphs. The curriculum includes academic vocabulary development, critical reading strategies, and collaborative discussions to prepare students for mainstream classes.

ELD Literacy
ELECTIVE • 2 Semesters (full year)
Course # 350430
This standalone course is designed for students needing additional support in foundational literacy skills. Emphasis is placed on reading fluency, phonics, academic language, comprehension strategies, and writing basics. The curriculum includes phonics, vocabulary development, and guided reading activities tailored to students' individual needs. Through targeted instruction, adaptive technology, and interactive activities, students will develop a deeper understanding of texts, enhance their ability to analyze and interpret information, and strengthen their overall literacy skills. This course may be taken alongside ELD 1 or ELD 2.

ENGLISH LANGUAGE DEVELOPMENT INTEGRATED

ELD Numeracy

ELECTIVE • 2 Semesters (full year)
Course # 350450
This course focuses on foundational math skills tailored for English Learner (EL) students, emphasizing both numeracy and academic language development. Students will explore key math concepts such as basic operations, fractions, decimals, and problem-solving strategies. Instruction integrates math vocabulary and language support to help students build confidence and prepare for mainstream math classes.

ELD Science

ELECTIVE • 2 Semesters (full year)
Course # 350470

This course introduces foundational science concepts while supporting English language development. Students will engage in topics such as life sciences, earth sciences, and basic physical sciences through hands-on activities, experiments, and visuals. Emphasis is placed on building academic vocabulary and language structures needed to explain observations, analyze data, and discuss scientific phenomena.

ELD Social Studies

ELECTIVE • 2 Semesters (full year)
Course # 350480
This course provides an introduction to key concepts in history, geography, and civics with a focus on building academic English skills. Students will explore topics such as cultural diversity, community, and basic world history through interactive activities and simplified texts. The course emphasizes vocabulary acquisition, reading comprehension, and critical thinking, preparing students for success in mainstream social studies classes.

GRADE 7: ELECTIVE COURSE OFFERINGS

Students will complete their schedule with the appropriate number of elective courses. Unless otherwise noted, students may choose to take the following courses for one or two semesters. Every attempt will be made to accommodate student choices.

GENERAL ELECTIVES

7th Grade Life Skills
ELECTIVE • 1 Semester (18 weeks)
Course # 20735
Offered at Hillside and Linden Grove
This course is based on skills that will encourage healthful and productive consumer living. Exploratory units include food and nutrition, sewing, health, babysitting, communication, and consumer skills.

7th Grade Drama
ELECTIVE • 1 Semester (18 weeks)
Course #30745
Scheduling Note: This course may be taken only once
Students will rehearse and perform various types of scenes. This course also covers the basics of set design, makeup, sound, lighting, and costumes.

Advanced Tech SMART: Skills, Media, Applications, Research, Thinking
ELECTIVE ● 1 Semester (18 weeks)
Course #: 15811
Prerequisite: TechSMART
Advanced TechSMART is a hands-on, project-based elective for students who have completed TechSMART and want to deepen their digital skills. Students will expand their knowledge of computational thinking, digital citizenship, communication, and innovative design while exploring advanced tools and emerging technologies. The course includes guided opportunities to use and create with artificial intelligence, design technology solutions, and build sophisticated digital products. Students will apply their learning through collaborative projects that showcase creativity, problem-solving, and responsible use of technology.

Automation and Robotics
ELECTIVE • 1 Semester (18 weeks)
Course # 15720
Offered at all KPS middle schools
Students will explore 21st century skills related to technology, online communication, and productivity tools to produce presentations related to the engineering design process. Students will use programming software VEX Robotics® to invent and innovate solutions to technological problems. Students will also learn about careers related to the history, development, and influence of engineering and robotics.

Computer Science for Innovators and Makers
Elective ● 1 Semester (18 weeks)
Course #: 1567830
Students discover computer science concepts and skills by creating relevant, tangible, and shareable projects. Students will learn programming for the physical world by blending hardware design and software development. Students will design and develop a physical computing device, interactive art installation, or wearable and plan and develop code.

Current Events 7
ELECTIVE ● 1 Semester (18 weeks)
Course # 80753
Offered at Hillside and Linden Grove Middle School
Students will use inquiry based learning on current event topics affecting local, state, national and global communities. Units will start by identifying a specific event or topic, researching the context, investigating the effects, class discussions, and developing solutions or a plan of action. Students will be assessed on all of these phases of the process. Small and whole group collaboration will be vital for students to interpret diverse perspectives. Having a diverse range of current event topics will naturally lead to cross curriculum connections.

GRADE 7: ELECTIVE COURSE OFFERINGS

Students will complete their schedule with the appropriate number of elective courses. Unless otherwise noted, students may choose to take the following elective courses for one or two semesters to complete their schedule. Every attempt will be made to accommodate choices.

GENERAL ELECTIVES

Foundations in Coding
ELECTIVE ● 1 Semester (18 weeks)
Course # 1567811
This hands-on introductory coding class uses user-friendly tools like Scratch and Code.org. Students will create games, animations, and interactive stories, developing logical thinking, problem-solving, and collaboration skills. This course prepares students for advanced tech classes and explores the connection between coding and real-world careers.

Future Michigan Educator Course I
ELECTIVE • 1 Semester (18 weeks)
Course # 556710
Offered at all KPS middle schools – Grade 7
This course encourages students to explore the teaching profession through guided instruction and participation in experiences related to education. Students will learn about the qualities of a healthy learning environment, how culture and identity can influence learning, and how to create equitable learning environments for all students. Students can apply the skills they have learned to lead short lessons in the classroom or with elementary students.

Green Architecture
ELECTIVE ● 1 Semester (18 weeks)
Course # 7067810
Students learn how to apply the concept of “green” choices to the fields of architecture and construction by exploring dimensioning, measuring, and architectural sustainability as they design affordable housing units.

Magic of Electrons
ELECTIVE ● 1 Semester (18 weeks)
Course #: 7067820
Through hands-on projects, students explore electricity, the behavior and parts of atoms, and sensing devices. They learn knowledge and skills in basic circuitry design, and examine the impact of electricity on the world around them.

MS Creative Writing
ELECTIVE ● 1 Semester (18 weeks)
Course # 3067851
This course is designed to introduce middle school students to the art and craft of creative writing. Students will explore various genres, develop their unique voice, and learn essential writing techniques. Through reading, writing, and peer review, students will enhance their creativity, critical thinking, and communication skills.

MS Dance
ELECTIVE ● 1 Semester (18 weeks)
Course # 656781
Students will learn the basic elements and discipline of formal dance technique. They will explore dance genres such as modern dance, ballet, jazz, hip-hop and cultural dance styles. Movement, improvisation, composition, and dance history will also be explored. Students are required to participate in a dance concert at the end of each term.

MS Novels of Choice
ELECTIVE ● 1 Semester (18 weeks)
Course # 3067859
This course allows students to explore various novels. Students will engage in reading, discussion, and creative projects related to the chosen texts. The goal is to foster a love of reading, develop analytical skills, and encourage personal connection with literature.

GRADE 7: ELECTIVE COURSE OFFERINGS

Students will complete their schedule with the appropriate number of elective courses. Unless otherwise noted, students may choose to take the following elective courses for one or two semesters to complete their schedule. Every attempt will be made to accommodate choices.

GENERAL ELECTIVES

School Newspaper/Journalism 7
ELECTIVE ● 1 Semester (18 weeks)
Course # 30720
Students in this class will collaboratively create a digital School Newspaper. Students will be assigned different aspects of the newspaper based on their strengths and interests. Contents of the newspaper will range from coverage to global events to school community events. Participating in journalism will support students in being global citizens and positively participating in the digital space. This course will support involvement and participation in creating a strong and united school community.

TechSMART: Skills, Media, Applications, Research, Thinking
ELECTIVE • 1 Semester (18 weeks)
Course # 15810
This course provides students with essential digital literacy skills including computer fundamentals, digital citizenship, computation thinking, knowledge construction, communication, and innovative design. With reinforcement of foundational technology concepts using a number of web-based programs and tools, students are prepared to leverage technology and thrive in the digital age.

The Exploration of Self through Hip Hop
Elective ● 1 Semester (18 weeks)
Course # 3067855
This course uses hip hop culture and pedagogy as a foundation to support students with their exploration and development of youth voice, socio-emotional learning, self-esteem, classroom and community engagement, and social justice leadership skills.

ART ELECTIVES

7th Grade Art Studio
ELECTIVE • 1 Semester (18 weeks)
Course # 10725
This project-based 7th grade art course provides an exploratory experience in creative problem-solving while using a variety of mediums. Students will learn how to use materials and tools appropriately to create personal works of art. Students' work may be selected for exhibitions at the building and district level and throughout the community.

GRADE 7: ELECTIVE COURSE OFFERINGS

Students will complete their schedule with the appropriate number of elective courses. Unless otherwise noted, students may choose to take the following elective courses for one or two semesters to complete their schedule. Every attempt will be made to accommodate choices.

HEALTH AND PHYSICAL EDUCATION ELECTIVES

7th Grade Personal Wellness
ELECTIVE • 1 Semester (18 weeks)
Course # 47525
Offered at Hillside
This course provides students in Grade 7 with knowledge and decision-making skills for a healthy lifestyle. Instruction includes goal-setting, reproductive health, personal development, and self-awareness.

Elective Physical Education
ELECTIVE • 1 Semester (18 weeks)
Course # 65725
Offered at Linden Grove, Maple Street, and Milwood Magnet Schools
Scheduling Note: This elective course is taken in addition to the required PE course.
This course promotes lifetime sports, recreational, and wellness activities that provide an opportunity to refine skills and attitudes that encourage lifelong fitness. Activities will include health-related fitness testing, dynamic stretching, team sports, and individual and dual sports.

Fit 4 Life
ELECTIVE • 1 Semester (18 weeks)
Course # 65765
Offered at Linden Grove, Maple Street and Milwood Magnet only
Scheduling Note: This elective course is taken in addition to the required PE course.
This course is designed to promote cardiovascular endurance, flexibility, and muscular strength with emphasis on the combination of strength training, speed and agility training, and cardiovascular health. Students will learn about heart rates, BMI, muscle groups and fitness equipment utilization.

Healthy Lifestyles
ELECTIVE • 1 Semester (18 weeks)
Course # 45735
Offered at Maple Street, Milwood, and Linden Grove
Scheduling Note: This elective course is taken in addition to the required PE course.
Students will combine physical fitness, nutrition education, and positive communicative skills to pursue a healthy lifestyle and promote lifelong wellness. They will assess the effect of food choices on individual health, and learn how to plan nutritious meals.

GRADE 7: ELECTIVE COURSE OFFERINGS

Students will complete their schedule with the appropriate number of elective courses. Unless otherwise noted, students may choose to take the following elective courses for one or two semesters to complete their schedule. Every attempt will be made to accommodate choices.

MUSIC ELECTIVES

7th Grade Band
ELECTIVE • 2 Semesters (Full Year)
Course # 60735
Prerequisite: Audition and/or 6th Grand Band or Director Permission
This class builds upon playing skills and musical knowledge of students who have completed a full year of 6th Grade Band. Students who complete this class are eligible to advance to 8th Grade Band and High School Band Classes. Please note: participation in performances during and outside of the school day, possibly occurring in the evening or on the weekend, is a required expectation of this course and part of the overall grade.

7th Grade Choir
ELECTIVE • 2 Semesters (Full Year)
Course # 60725
Participation in choir includes using skills of part-singing, group-singing, sight-reading, and vocal production. In addition, the curriculum will include instruction in music history, criticism, evaluation, and listening skills. The relationship between music, the other arts, and disciplines outside the arts will be explored. Please note: participation in performances during and outside of the school day, possibly occurring in the evening or on the weekend, is a required expectation of this course and part of the overall grade.

7th Grade General Music
ELECTIVE • 1 Semester (18 weeks)
Course # 60765
Scheduling Note: This course may be taken only once.
This is a non-performance class where students will learn the history of modern popular music in America. Students will explore genres from jazz and musical theater to rock and hip hop.

7th Grade Orchestra
ELECTIVE • 2 Semesters (Full Year)
Course # 60745
Prerequisite: Audition and/or 6th Grand Orchestra or Director Permission
This class builds upon playing skills and musical knowledge of students who have completed 6th Grade Orchestra. Students who complete this class are eligible to advance to 8th Grade Orchestra and High School Orchestra. Please note: participation in performances during and outside of the school day, possibly occurring in the evening or on the weekend, is a required expectation of this course and part of the overall grade.

Musical Theater
ELECTIVE • 1 Semester (18 weeks)
Course # 6067877
This course is for students interested in musical theater. Students will have the opportunity to rehearse, perform, direct, and choreograph/stage various scenes from the Broadway genre. In addition to performing and producing, students will learn the historical and cultural significance of various Broadway musicals. All students are expected to both perform and direct/produce. Please note: participation in performances during and outside of the school day, possibly occurring in the evening or on the weekend, is a required expectation of this course and part of the overall grade.

GRADE 7: ELECTIVE COURSE OFFERINGS

Students will complete their schedule with the appropriate number of elective courses. Unless otherwise noted, students may choose to take the following elective courses for one or two semesters to complete their schedule. Every attempt will be made to accommodate choices.

WORLD LANGUAGE ELECTIVES

Spanish Explorations
ELECTIVE • 1 Semester (18 weeks)
Course # 90645
A culturally rich introductory course designed to help students explore the Spanish language through communication, culture, and hands-on activities. Students build basic vocabulary, learn simple conversational phrases, and engage with Spanish-speaking cultures in an accessible and engaging format.

Spanish Basics
ELECTIVE • 1 Semester (18 weeks)
Course # 90745
Scheduling Note: Available to students in Grades 7 and 8
A foundational course that reinforces essential Spanish structures and supports students in developing confidence with everyday communication skills. Students practice reading, writing, listening, and speaking in Spanish while expanding cultural understanding through interactive projects and authentic materials.

GRADE 7: ELECTIVE COURSE OFFERINGS

Students will complete their schedule with the appropriate number of elective courses. Unless otherwise noted, students may choose to take the following elective courses for one or two semesters to complete their schedule. Every attempt will be made to accommodate choices.

MAGNET SCHOOLS

MAPLE STREET MAGNET SCHOOL FOR THE ARTS

Arabic Culture
ELECTIVE • 1 Semester (18 weeks)
Course # 8067831
This is an introduction to Arabic culture in America and worldwide, to broaden the student's worldview. Included are basic Arabic alphabet and numbers, countries, customs, music, art, clothing, weather, lifestyle, the Arabic lunar calendar, holidays, Arabic industry, celebrities and noteworthy individuals, and a historic overview.

Arabic for Beginners
ELECTIVE • 1 Semester (18 weeks)
Course # 9080067
Scheduling Note: Available to students in Grades 6 and 7
This course introduces the basic elements of language. Students will learn greetings, leave-takings, and introductions. They will begin to develop communication skills in a second language, including speaking, listening, reading, and writing. By the end of the course, students will be able to ask and answer basic questions, ask and give information, use the verb *to be* with adjectives, and use gender and adjective agreement.

Arabic Intermediate
ELECTIVE • 1 Semester (18 weeks)
Course # 9080078
Scheduling Note: Available to students in Grades 7 and 8
This course will enhance Arabic communication skills. Students will be able to discuss their family, the weather, and everyday activities. By the end of the course, students will be able to communicate in the present and future tense. They will be able to discuss what they like to do and want to do and be able to discuss what they do during and after school.

Music Studio
ELECTIVE • 1 Semester (18 weeks)
Course # 60678751
Scheduling Note: This course may be taken only once per year.
Students will have access to a practice space where they can work in small groups or independently on musical objectives of their choice. This course seeks to give students a space during the school day to practice independently, recognizing that there are countless roadblocks for students to practice their music after school hours and with a trained music teacher. This course will teach students how to set and work towards short-term and long-term goals, establishing practice techniques and routines, self-assessment strategies, as well as musical literacy and musical analysis skills, all while offering students the flexibility to work on the music and music literacy objectives that they are most interested in studying. Students will demonstrate knowledge and skills through studio recitals and individual growth plans.

Spanish Language Literature II
Elective • 2 Semesters (full year)
Prerequisite: Spanish Language Literature I
Course # 90875
This Spanish language literature course will expand students' literacy skills in the Spanish language through the exploration of various genres and elements of authentic Spanish language literature and will provide a great deal of opportunity for oral communication. Students will discover major works of literature from the Pre-Columbian period to the present day. Students will develop their writing skills and acquire information from authentic sources in Spanish to develop research projects and advance their understanding of Spanish grammar. (Students must complete Spanish Literature I, II, & III to receive 2.0 high school credits.)

GRADE 7: ELECTIVE COURSE OFFERINGS

Students will complete their schedule with the appropriate number of elective courses. Unless otherwise noted, students may choose to take the following elective courses for one or two semesters to complete their schedule. Every attempt will be made to accommodate choices.

MAGNET SCHOOLS

MILWOOD MAGNET SCHOOL: A CENTER FOR MATH, SCIENCE, AND TECHNOLOGY

7th Grade Graphic Design
ELECTIVE • 1 Semester (18 weeks)
Course # 15755
This 7th Grade Graphic Design course will provide students with the opportunity to explore a broad range of state-of-the-art image editing software. This course has been designed for students to explore visual problem-solving skills through contemporary graphic design for the twenty-first century.

7th Grade Video Production
ELECTIVE • 1 Semester (18 weeks)
Course # 20775
Prerequisite: Video A
Students will be focusing on Chroma Key, manipulation of lighting, saturation, cutting on action, camera shots, and points of view. Throughout the course, students will create three films*: Around the World/Social Justice, Inside Out,* and *All in One*.

KPS VIRTUAL
The following elective is available at KPS Virtual only:

Current Events (Today's Events, Tomorrow's History)
ELECTIVE • 1 Semester (18 weeks) • 0.5 Credit; Course can be repeated
Course # 80531VP – KPS Virtual Only
15 hours of service learning required
Students will become actively involved in their school and community as they investigate global issues facing the world. Units include: Preparing to Participate, The Environment, Human Rights and Responsibilities, The Global Economy, International Cooperation and Conflict, and Issue Investigation and Action Plan determined by current global activity.

Welcome to 8th Grade!

Dear Incoming 8th Grade Students and Parents/Guardians,

It's hard to believe, but before you know it, your seventh-grade year will come to an end, summer vacation will come and go, and you will be back to school as an eighth grader. An important first step in planning for next year is for students and parents to review this bulletin and to choose elective courses to complete a middle school schedule. Descriptions of the courses we offer to eighth-grade students are found on the following pages.

As an eighth grader, you will have the opportunity to earn high school credits that will count towards graduation. Courses like Algebra I, Spanish I, Chinese I, and Art Foundations are the same courses as offered to students in high school. By successfully passing these courses while still in middle school, you will open up your high school schedule for even more electives.

It is especially important that you strive to do your very best as the Kalamazoo Public Schools has implemented a retention procedure for eighth-grade students. Students who are not successfully passing their core academic courses (English, math, science, and social studies) will be evaluated and possibly recommended for retention in the eighth grade. So be sure to put your best foot forward, study hard, take advantage of the academic support courses available to you, and ask for help if you find yourself falling behind.

After reviewing this bulletin with your parent/guardian, you will need to **complete the requested information on the course selection sheet that your counselor gave you to bring home. Make sure that your parent/guardian signs your course selection sheet and return it to school tomorrow.** Once we receive your course selection sheet, we will begin to develop a schedule that's right for you.

SAMPLE SEMESTER SCHEDULE GRADE 8								
		1st Period	**2nd Period**	**3rd Period**	**4th Period**	**5th Period**	***6th Period***	**7th Period**
SEMESTER 1	AUGUST - JANUARY	MATH	ELA	SCIENCE	SOCIAL STUDIES	PHYSICAL EDUCATION	ELECTIVE ***OR*** READING STRATEGIES AND SUCCESS SKILLS ***OR*** ALGEBRA READINESS	ELECTIVE ***OR*** READING STRATEGIES AND SUCCESS SKILLS ***OR*** ALGEBRA READINESS
SEMESTER 2	JANUARY-JUNE	MATH	ELA	SCIENCE	SOCIAL STUDIES	PROMISING PATWAYS TO SUCCESS III - 8TH GRADE		

COURSE REQUIREMENTS

Full-Year (36 weeks)

- English Language Arts or Advanced English Language Arts 8
- Mathematics 8 or Algebra I
- Science 8
- Social Studies 8

One-Semester (18 weeks)

- Physical Education 8
- Promising Pathways to Success III - 8th Grade: Real-World Readiness, Planning, & Transition (College, Career, and Pathway Readiness and Transition)

ELECTIVES

Essential Academic Success Skills is required for students performing below grade level as indicated by the results on state and local tests. Opportunities for elective courses will be limited.

Students who are not required to take this course will choose elective courses to complete their schedule.

GRADE 8: REQUIRED ACADEMIC COURSES

All eighth-grade students are required to take the core academic courses below. Students are scheduled into the appropriate ELA and math courses as determined by test scores and teacher recommendation.

ENGLISH LANGUAGE ARTS

English Language Arts 8

REQUIRED • 2 Semesters (full year)
Course # 30810
This course provides students with a balanced literacy program. Students will analyze the impact of specific word choices on meaning (literature) and how the author uses and refines meaning of key terms over the course of a text (informational text). Students will compare and contrast two or more texts determining the central ideas and themes, citing textual evidence to support analysis, and write objective summaries of texts. Students will concentrate on the writing process with a focus on narrative, argumentative, and informational writing.

OR

Advanced English Language Arts 8

ENGLISH OPTION • 2 Semesters (full year)
Course # 30812
This course features many of the topics of English Language Arts 8 at a faster and deeper pace. Advanced English provides an overview of utopia and gives students an opportunity to examine why ideas about utopia undergo change. Through the study of literature, art, and music, students learn about the search through the ages for utopia and the struggles to grasp and maintain it on both personal and societal levels.

English Language Learners – See page 32 for course options.

MATHEMATICS

Mathematics 8

REQUIRED • 2 Semesters (full year)
Course # 50810
This course offers a well-developed integrated (all strands of math) math foundation. Topics of study include modeling, Pythagorean Theorem, exponential relationships, quadratic relationships, and algebraic reasoning.

OR

Algebra I

MATH OPTION • 2 Semesters (full year)
Course # 50812
Prerequisite:
Eligible for 1.0 High School Credit
This course provides students with the fundamental skills and concepts of algebra including proportions, linear functions, exponential functions, and quadratic functions. This course integrates the use of multiple representations including graphs, tables, and equations and uses manipulatives and technology to further students' algebraic thinking. Students learn to model real-life situations with connections to geometry, statistics, and probability. *KPS students who pass this course will receive one (1.0) high school math credit towards the Michigan Merit Curriculum.*

PHYSICAL EDUCATION

8th Grade Physical Education
REQUIRED • 1 Semester (18 weeks)
Course # 65810
Scheduling Note: This is the required PE course for 8th grade students.
This course emphasizes health-related fitness and development of the skills and habits necessary for a lifetime of activity. Students will participate in multiple individual sports, team sports, recreational games, and fitness activities. Advanced-level skills and strategies will be taught to achieve and maintain a health and wellness level of physical fitness. Activities and sports covered may vary based on semester taken.

GRADE 8: REQUIRED ACADEMIC COURSES

All eighth-grade students are required to take the core academic courses below. Students are scheduled into the appropriate ELA and math courses as determined by test scores and teacher recommendation.

SCIENCE

Science 8
REQUIRED • 2 Semesters (full year)
Course # 70810
This course develops students' understanding of major concepts pertaining to physical, earth, life, and health sciences and further develops an understanding of engineering. Major topics of study include forces and motion, plate tectonics, atomic structure, cell division, genetics, and an introduction to medical investigation. Students will continue to develop laboratory and scientific research skills through hands-on experiments, observations, presentations, discussions, and text resources.

SOCIAL STUDIES

Social Studies 8
REQUIRED • 2 Semesters (full year)
Course # 80810
Students will continue their study of United States history from the writing of the Constitution through Reconstruction. Geographic, civics/government, and economics content is integrated within the historical context. Students analyze an issue and propose a plan for civic action using significant content knowledge, research, and inquiry. Where appropriate, they make comparisons to relevant contemporary issues.

GRADE 8: REQUIRED ELECTIVE COURSES

CAREER EDUCATION

PROMISING PATHWAYS TO SUCCESS III - 8th Grade: Real-World Readiness, Planning, & Transition (College, Career, and Pathway Readiness and Transition)
REQUIRED ELECTIVE ● 1 Semester (18 weeks)
Course #: 01815
This required capstone course synthesizes all prior learning into a definitive transition plan. The focus is on College, Career, and Pathway Readiness through the creation of a comprehensive, four-year high school plan and practicing transition skills necessary for advocacy and independence. Utilizing their EDP students will develop goals and plans and research their 4-year high school plan course sequence and potential post-secondary pathway aspirations. Students refine their Work-Based Learning Skills through portfolio creation and job seeking skills, practicing 21st Century Skills such as formal presentation, communication. This course requires students to develop a capstone project that demonstrates high school and post-secondary pathway readiness.

GRADE 8: ACADEMIC SERVICES

EXTENDED LEARNING

Students performing below grade level in English Language Arts or mathematics as indicated by the results on state and local assessments, may have an additional period to build core academic skills. Opportunities for elective courses such as art, music, physical education, Chinese, or Spanish will be limited until grade-level expectations are met.

Algebra Readiness 8
REQUIRED FOR STUDENTS MEETING THE CRITERIA
Course # 506782
This course is designed to build on students' current mathematical understanding to progress towards mastery of grade-level standards. The class provides instruction that will support the core-curricular math course, while also addressing individual skills needed to provide students successful experiences in mathematics. Successful completion of this course helps students prepare for success in mathematics including algebra.

Reading Strategies and Success Skills 8
REQUIRED FOR STUDENTS MEETING THE CRITERIA
Course # 30851
Reading Strategies and Success Skills 8 is designed to help students improve their reading and writing skills and strategies with narrative and informational text, word identification, and fluency. Successful completion of this course helps students succeed in cross-curricular classes.

MILWOOD MIDDLE SCHOOL
Foundations for Academic Success
REQUIRED FOR STUDENTS MEETING THE CRITERIA ● 1 Semester (18 weeks)
Course # 3067831
This academic assistance class is designed to provide targeted support for students, centered around the ELA and math competencies. The class has been created to support students who need additional help developing their math and reading skills. Over the span of 18 weeks, students will engage in focused learning experiences that address their individual needs in math (9 weeks) and reading (9 weeks), enhance their understanding of key concepts, and build confidence in their abilities.

GRADE 8: ACADEMIC SERVICES

ENGLISH LANGUAGE DEVELOPMENT

LINDEN GROVE, MAPLE STREET, AND MILWOOD MAGNET

ELD 1: ENTERING
ENGLISH PLACEMENT • 2 Semesters (full year)
Course # 35110
This course focuses on foundational English language skills for students at the Entering proficiency level. Emphasis is placed on building listening and speaking skills, including basic vocabulary and simple sentence structures. Students will learn to respond to greetings, follow simple instructions, and engage in basic conversations. Foundational literacy skills, such as decoding and recognizing sight words, are also introduced.

ELD 2: EMERGING
ENGLISH PLACEMENT • 2 Semesters (full year)
Course # 35210
In this course, students progress to the Emerging proficiency level. Emphasis is placed on expanding communication skills, including asking and answering questions, engaging in simple conversations, and understanding short written texts. Writing instruction focuses on constructing complete sentences and short paragraphs using familiar vocabulary and phrases. The course integrates content from other subjects to help students develop academic language.

ELD 3: DEVELOPING
ELECTIVE • 2 Semesters (full year)
Course # 35310
Designed for students at the Developing proficiency level, this course emphasizes the use of English in academic and social contexts. Students will engage in longer conversations, read and comprehend multi-paragraph texts, and write organized paragraphs. The curriculum includes academic vocabulary development, critical reading strategies, and collaborative discussions to prepare students for mainstream classes.

ELD Literacy
ELECTIVE • 2 Semesters (full year)
Course # 350430
This standalone course is designed for students needing additional support in foundational literacy skills. Emphasis is placed on reading fluency, phonics, academic language, comprehension strategies, and writing basics. The curriculum includes phonics, vocabulary development, and guided reading activities tailored to students' individual needs. Through targeted instruction, adaptive technology, and interactive activities, students will develop a deeper understanding of texts, enhance their ability to analyze and interpret information, and strengthen their overall literacy skills. This course may be taken alongside ELD 1 or ELD 2.

ENGLISH LANGUAGE DEVELOPMENT INTEGRATED

ELD Numeracy

ELECTIVE • 2 Semesters (full year)
Course # 350450
This course focuses on foundational math skills tailored for English Learner (EL) students, emphasizing both numeracy and academic language development. Students will explore key math concepts such as basic operations, fractions, decimals, and problem-solving strategies. Instruction integrates math vocabulary and language support to help students build confidence and prepare for mainstream math classes.

ELD Science

ELECTIVE • 2 Semesters (full year)
Course # 350470

This course introduces foundational science concepts while supporting English language development. Students will engage in topics such as life sciences, earth sciences, and basic physical sciences through hands-on activities, experiments, and visuals. Emphasis is placed on building academic vocabulary and language structures needed to explain observations, analyze data, and discuss scientific phenomena.

ELD Social Studies

ELECTIVE • 2 Semesters (full year)
Course # 350480
This course provides an introduction to key concepts in history, geography, and civics with a focus on building academic English skills. Students will explore topics such as cultural diversity, community, and basic world history through interactive activities and simplified texts. The course emphasizes vocabulary acquisition, reading comprehension, and critical thinking, preparing students for success in mainstream social studies classes.

GRADE 8: ELECTIVE COURSE OFFERINGS

Students will complete their schedule with the appropriate number of elective courses. Unless otherwise noted, students may choose to take the following courses for one or two semesters. Every attempt will be made to accommodate student choices.

GENERAL ELECTIVES

8th Grade Drama and Forensics
ELECTIVE • 1 Semester (18 weeks)
Course # 30845
Scheduling Note: This course may be taken only once
This class allows students to develop their acting skills. Students will perform short scenes in class and read through a play. This course also introduces the basics of Forensics, the art of competitive speaking, acting, and dramatic reading.

Advanced Tech SMART: Skills, Media, Applications, Research, Thinking
ELECTIVE ● 1 Semester (18 weeks)
Course # 15811
Prerequisite: Tech SMART
Advanced TechSMART is a hands-on, project-based elective for students who have completed TechSMART and want to deepen their digital skills. Students will expand their knowledge of computational thinking, digital citizenship, communication, and innovative design while exploring advanced tools and emerging technologies. The course includes guided opportunities to use and create with artificial intelligence, design technology solutions, and build sophisticated digital products. Students will apply their learning through collaborative projects that showcase creativity, problem-solving, and responsible use of technology.

Automation and Robotics
ELECTIVE • 1 Semester (18 weeks)
Course # 15820
Students will explore 21st century skills related to technology, online communication and productivity tools to produce presentations related to the engineering design process. Students will use programming software VEX Robotics® to invent and innovate solutions to technological problems. Students will also learn about careers related to the history, development, and influence of engineering and robotics.

Computer Science for Innovators and Makers
ELECTIVE ● 1 Semester (18 weeks)
Course #: 1567830
Students discover computer science concepts and skills by creating relevant, tangible, and shareable projects. Students will learn programming for the physical world by blending hardware design and software development. Students will design and develop a physical computing device, interactive art installation, or wearable and plan and develop code.

Current Events 8
ELECTIVE ● 1 Semester (18 weeks)
Course # 80853
Students will use inquiry based learning on current event topics affecting local, state, national and global communities. Units will start by identifying a specific event or topic, researching the context, investigating the effects, class discussions, and developing solutions or a plan of action. Students will be assessed on all of these phases of the process. Small and whole group collaboration will be vital for students to interpret diverse perspectives. Having a diverse range of current event topics will naturally lead to cross curriculum connections.

Foundations in Coding
Elective ● 1 Semester (18 weeks)
Course #: 1567811
This hands-on introductory coding class uses user-friendly tools like Scratch and Code.org. Students will create games, animations, and interactive stories, developing logical thinking, problem-solving, and collaboration skills. This course prepares students for advanced tech classes and explores the connection between coding and real-world careers.

GRADE 8: ELECTIVE COURSE OFFERINGS

Students will complete their schedule with the appropriate number of elective courses. Unless otherwise noted, students may choose to take the following courses for one or two semesters. Every attempt will be made to accommodate student choices.

GENERAL ELECTIVES

Future Michigan Educator Course 2
ELECTIVE • 1 Semester (18 weeks)
Course # 55810
Grades 7 and 8
This course is designed to provide students who are interested in a career in education with the skills to become a peer educator within their building and become eligible for employment as a peer tutor during summer school. Students will learn strategies for inclusive teaching and how the education system is designed to prepare students for success as an adult. Students will have the opportunities to lead tutor students in small groups and one-on-one tutoring in a supervised setting.

Green Architecture
ELECTIVE ● 1 Semester (18 weeks)
Course # 7067810
Students learn how to apply the concept of “green” choices to the fields of architecture and construction by exploring dimensioning, measuring, and architectural sustainability as they design affordable housing units.

Magic of Electrons
ELECTIVE ● 1 Semester (18 weeks)
Course # 7067820
Through hands-on projects, students explore electricity, the behavior and parts of atoms, and sensing devices. They learn knowledge and skills in basic circuitry design, and examine the impact of electricity on the world around them.

MS Creative Writing
ELECTIVE ● 1 Semester (18 weeks)
Course # 3067851
This course is designed to introduce middle school students to the art and craft of creative writing. Students will explore various genres, develop their unique voice, and learn essential writing techniques. Through reading, writing, and peer review, students will enhance their creativity, critical thinking, and communication skills.

MS Dance
ELECTIVE ● 1 Semester (18 weeks)
Course # 656781
Students will learn the basic elements and discipline of formal dance technique. They will explore dance genres such as modern dance, ballet, jazz, hip-hop and cultural dance styles. Movement, improvisation, composition, and dance history will also be explored. Students are required to participate in a dance concert at the end of each term.

MS Novels of Choice
ELECTIVE ● 1 Semester (18 weeks)
Course # 3067859
This course allows students to explore various novels. Students will engage in reading, discussion, and creative projects related to the chosen texts. The goal is to foster a love of reading, develop analytical skills, and encourage personal connection with literature.

School Newspaper/Journalism 8
ELECTIVE ● 1 Semester (18 weeks)
Course # 30820
Students in this class will collaboratively create a digital School Newspaper. Students will be assigned different aspects of the newspaper based on their strengths and interests. Contents of the newspaper will range from coverage to global events to school community events. Participating in journalism will support students in being global citizens and positively participating in the digital space. This course will support involvement and participation in creating a strong and united school community.

GRADE 8: ELECTIVE COURSE OFFERINGS

Students will complete their schedule with the appropriate number of elective courses. Unless otherwise noted, students may choose to take the following courses for one or two semesters. Every attempt will be made to accommodate student choices.

GENERAL ELECTIVES

Advanced TechSMART: Skills, Media, Applications, Research, Thinking
ELECTIVE● 1 Semester (18 weeks)
Course # 15811
Prerequisite: TechSMART
Advanced TechSMART is a hands-on, project-based elective for students who have completed TechSMART and want to deepen their digital skills. Students will expand their knowledge of computational thinking, digital citizenship, communication, and innovative design while exploring advanced tools and emerging technologies. The course includes guided opportunities to use and create with artificial intelligence, design technology solutions, and build sophisticated digital products. Students will apply their learning through collaborative projects that showcase creativity, problem-solving, and responsible use of technology.

TechSMART: Skills, Media, Applications, Research, Thinking
ELECTIVE • 1 Semester (18 weeks)
Course # 15810
This course provides students with essential digital literacy skills including computer fundamentals, digital citizenship, computation thinking, knowledge construction, communication, and innovative design. With reinforcement of foundational technology concepts using a number of web-based programs and tools, students are prepared to leverage technology and thrive in the digital age.

The Exploration of Self through Hip Hop
ELECTIVE ● 1 Semester (18 weeks)
Course # 3067855
This course uses hip hop culture and pedagogy as a foundation to support students with their exploration and development of youth voice, socio-emotional learning, self-esteem, classroom and community engagement, and social justice leadership skills.

ART ELECTIVES

8th Grade Art Studio
ELECTIVE • 1 Semester (18 weeks)
Course # 10825
This course will provide students with the opportunity to work with a wide variety of subject matter. Students will demonstrate higher levels of understanding and create increasingly complex works of art. They will also be introduced to career pathways in the visual arts. Students will develop the skills necessary for success in high school art programs.

8th Grade Art Foundations
ELECTIVE• 1 Semester (18 weeks)
Course # 10835
Eligible for 0.5 High School Credit
Prerequisite: Passed 6th or 7th grade art AND teacher approval based on artistic behaviors.
This 8th grade art course will provide students with the opportunity to work with a wide variety of 2D and 3D media. Students will demonstrate higher levels of understanding and create increasingly complex works of art. Students will develop the skills necessary for success in high school art programs. *KPS students who pass this course will receive one-half high school credit.*

GRADE 8: ELECTIVE COURSE OFFERINGS

Students will complete their schedule with the appropriate number of elective courses. Unless otherwise noted, students may choose to take the following courses for one or two semesters. Every attempt will be made to accommodate student choices.

HEALTH AND PHYSICAL EDUCATION ELECTIVES

8th Grade Life Skills
ELECTIVE • 1 Semester (18 weeks)
Course # 20835
Offered at Hillside and Linden Grove
This course provides students with a greater depth in the area of consumer living. Instruction includes career and employability skills, self-awareness, food and nutrition, and basic sewing skills.

Elective Physical Education
ELECTIVE • 1 Semester (18 weeks)
Course # 65825
Offered at Linden Grove, Maple St., and Milwood Magnet School only
Scheduling Note: This elective course is taken in addition to the required P.E. course
This course promotes lifetime sports, recreational, and wellness activities that provide an opportunity to refine skills and attitudes that encourage lifelong fitness. Activities will include health-related fitness testing, dynamic stretching, team sports, and individual and dual sports.

Fit 4 Life
ELECTIVE • 1 Semester (18 weeks)
Course # 65865
Offered at Linden Grove, Maple Street, and Milwood Magnet School only
Scheduling Note: This elective course is taken in addition to the required P.E. course
This course is designed to promote cardiovascular endurance, flexibility, and muscular strength with emphasis on the combination of strength training, speed and agility training, and cardiovascular health. Students will learn about heart rates, BMI, muscle groups and fitness equipment utilization.

Healthy Lifestyles
ELECTIVE • 1 Semester (18 weeks)
Course # 45825
Scheduling Note: This course may be elected for one semester only
Offered at Linden Grove
Scheduling Note: This elective course is taken in addition to the required PE course.
Students will combine physical fitness, nutrition education, and positive communicative skills to pursue a healthy lifestyle and promote lifelong wellness. They will assess the effect of food choices on individual health, and learn how to plan nutritious meals.

GRADE 8: ELECTIVE COURSE OFFERINGS

Students will complete their schedule with the appropriate number of elective courses. Unless otherwise noted, students may choose to take the following courses for one or two semesters. Every attempt will be made to accommodate student choices.

MUSIC ELECTIVES

8th Grade Band
ELECTIVE • 2 Semesters (full year)
Course # 60835
Prerequisite: Audition and/or 6th Grand Band or Director Permission
This class builds upon playing skills and musical knowledge of students who have completed a full year of 7th Grade Band. Students who complete this class are eligible to advance to High School Band Classes. Please note: participation in performances during and outside of the school day, possibly occurring in the evening or on the weekend, is a required expectation of this course and part of the overall grade.

8th Grade General Music
ELECTIVE • 1 Semester (18 weeks)
Course # 60865
Scheduling Note: This course may be taken only once.
This is a project-based class. Students will create music using software such as GarageBand and Google Chrome Music Lab. Units include: parody, sampling, remixes, music in film, and hip hop.

8th Grade Orchestra
ELECTIVE • 2 Semesters (full year)
Course # 60845
Prerequisite: Audition and/or 7th Grand Band or Director Permission
This class builds upon playing skills and musical knowledge of students who have completed 7th Grade Orchestra. Students who complete this class are eligible to advance to High School Orchestra. Please note: participation in performances during and outside of the school day, possibly occurring in the evening or on the weekend, is a required expectation of this course and part of the overall grade.

8th Grade Choir
ELECTIVE • 2 Semesters (full year)
Course # 60825
Participation in choir includes using skills of part-singing, group-singing, sight-reading, and vocal production. In addition, the curriculum will include instruction in music history, criticism, evaluation, and listening skills. The relationship between music, the other arts, and disciplines outside the arts will be explored. Please note: participation in performances during and outside of the school day, possibly occurring in the evening or on the weekend, is a required expectation of this course and part of the overall grade.

Musical Theater
ELECTIVE • 1 Semester (18 weeks)
Course # 6067877
This course is for students interested in musical theater. Students will have the opportunity to rehearse, perform, direct, and choreograph/stage various scenes from the Broadway genre. In addition to performing and producing, students will learn the historical and cultural significance of various Broadway musicals. All students are expected to both perform and direct/produce. Please note: participation in performances during and outside of the school day, possibly occurring in the evening or on the weekend, is a required expectation of this course and part of the overall grade.

GRADE 8: ELECTIVE COURSE OFFERINGS

Students will complete their schedule with the appropriate number of elective courses. Unless otherwise noted, students may choose to take the following courses for one or two semesters. Every attempt will be made to accommodate student choices.

WORLD LANGUAGE ELECTIVES

Chinese I
ELECTIVE • 2 Semesters (full year)
Course # 90851
Eligible for 1.0 High School Credit
Offered at Hillside Middle School Only
This course focuses on the basic elements of Chinese and the cultures of the Chinese-speaking world. Students begin oral communication immediately, while written communication skills are developed gradually. Students are introduced to a rich variety of activities that develop communicative skills. Technology is used to reinforce learning.

Spanish Basics
Elective • 1 Semester (18 weeks)
Course # 90745
Scheduling Note: Available to students in Grades 7 and 8
A foundational course that reinforces essential Spanish structures and supports students in developing confidence with everyday communication skills. Students practice reading, writing, listening, and speaking in Spanish while expanding cultural understanding through interactive projects and authentic materials.

Spanish I
Elective • 2 Semesters (full year)
Course # 90885
Eligible for 1.0 High School Credits
This course focuses on the basic elements of Spanish and the cultures of the Spanish-speaking world. Students begin oral communication immediately while written communication skills are developed gradually. Technology is used to reinforce classroom learning.

KPS students who successfully pass this course will receive one (1.0) high school World Language credit (Spanish) towards the Michigan Merit Curriculum.

GRADE 8: ELECTIVE COURSE OFFERINGS

Students will complete their schedule with the appropriate number of elective courses. Unless otherwise noted, students may choose to take the following courses for one or two semesters. Every attempt will be made to accommodate student choices.

MAGNET SCHOOLS

MAPLE STREET MAGNET SCHOOL FOR THE ARTS

Arabic I A, B, & C
ELECTIVE • 2 Semesters (full year)
Course # 908017, 908018, 908019
Eligible for 1.0 High School Credit
This course focuses on the basic elements of Arabic and the cultures of the Arabic-speaking world. Students begin oral communication immediately, while written communication skills are developed gradually. Students are introduced to a rich variety of activities that develop communicative skills. Technology is used to reinforce learning. *KPS students who successfully pass this course will receive one (1.0) high school world language credit (Arabic) towards the Michigan Merit Curriculum.*

Arabic Intermediate
ELECTIVE • 1 Semester (18 weeks)
Course # 9080078
Scheduling Note: Available to students in Grades 7 and 8
This course will enhance Arabic communication skills. Students will be able to discuss their family, the weather, and everyday activities. By the end of the course, students will be able to communicate in the present and future tense. They will be able to discuss what they like to do and want to do and be able to discuss what they do during and after school.

Music Studio
ELECTIVE • 1 Semester (18 weeks)
Course # 60678751
Scheduling Note: This course may be taken only once per year.
Students will have access to a practice space to work in small groups or independently on musical objectives of their choice. This course seeks to give students a space during the school day to practice independently, recognizing that there are countless roadblocks for students to practice their music after school hours and with a trained music teacher. This course will teach students how to set and work towards short-term and long-term goals, establishing practice techniques and routines, self-assessment strategies, as well as musical literacy and musical analysis skills, all while offering students the flexibility to work on the music and music literacy objectives that they are most interested in studying. Students will demonstrate knowledge and skills through studio recitals and individual growth plans.

Spanish Language Literature III
ELECTIVE • 2 Semesters (full year)
Course # 90885
Eligible for 2.0 High School Credits
This Spanish language literature course will expand students' literacy skills in the Spanish language through the exploration of various genres and elements of authentic Spanish language literature and will provide a great deal of opportunity for oral communication. Students will discover major works of literature from the Pre-Colombian period to the present day. Students will develop their writing skills and acquire information from authentic sources in Spanish to develop research projects and advance their understanding of Spanish grammar.

GRADE 8: ELECTIVE COURSE OFFERINGS

Students will complete their schedule with the appropriate number of elective courses. Unless otherwise noted, students may choose to take the following courses for one or two semesters. Every attempt will be made to accommodate student choices.

MAGNET SCHOOLS

MILWOOD MAGNET SCHOOL: A CENTER FOR MATH, SCIENCE, AND TECHNOLOGY

8th Grade Graphic Design
ELECTIVE • 1 Semester (18 weeks)
Course # 15855
This 8th Grade Graphic Design course will provide students with the opportunity to explore a broad range of state-of-the-art image editing software. This course has been designed for students to demonstrate visual problem-solving skills through contemporary graphic design for the twenty-first century.

8th Grade Video Production
ELECTIVE • 1 Semester (18 weeks)
Course # 20885
Throughout this course, students will create three films. Students will focus on manipulating speed/direction, keyframes, composition, intended messaging, and copyright.

KPS Virtual

The following elective is available at KPS Virtual only:
Current Events (Today's Events, Tomorrow's History)
ELECTIVE • 1 Semester (18 weeks) • 0.5 Credit; Course can be repeated
Course # 80531VP – KPS Virtual Only
15 hours of service learning required
Students will become actively involved in their school and community as they investigate global issues facing the world. Units include: Preparing to Participate, The Environment, Human Rights and Responsibilities, The Global Economy, International Cooperation and Conflict, and Issue Investigation and Action Plan determined by current global activity.

EARN HIGH SCHOOL CREDIT EVEN BEFORE YOU ENTER HIGH SCHOOL

Eighth-grade students have several opportunities to earn high school credit which will count towards graduation, even before entering high school.

Students are eligible to receive high school credit by passing the following courses while still in middle school (8th grade):

Course	Earned Credit
8th Grade Art Foundationations	0.5 credit
Algebra I	1.0 credit
Arabic I	1.0 credit
Chinese I	1.0 credit
Spanish I	1.0 credit
Spanish Language Literature	2.0 credit

TESTING FOR CREDIT

Testing out of a high school course can provide a student the opportunity to earn credit in required courses and move into more challenging advanced courses or electives of interest. Students considering testing out should be self-directed learners capable of demonstrating an understanding of the subject area content expectations in the course for which they wish to test out.

The student must score at least 70% or better on the district designated test in order to test out and receive credit. The testing out credit will appear on the transcript and will count towards the total number of credits needed for graduation. However, the score does not translate into a grade and is not part of the GPA calculation for any purpose. When considering the test out option, students need to consider the following:

1. the effect on their GPA calculation (this may mean NOT including a potentially high grade in the GPA);
2. NCAA requirements; and
3. other college admission considerations.

The following test out exams are available to 8th grade students:

- Algebra I
- English 9
- Environmental Science
- Spanish
- World History

For more information, including the testing schedule, talk with your school counselor or call Secondary Education at 269-337-0168.

SUMMER SPANISH COURSE: LEARN AND EARN

For students unable to fit Spanish into their schedule during the eighth grade, or just interested in an exciting summer learning experience, we are offering Spanish I during the summer. Students desiring to learn Spanish can enroll in the six-week Summer Spanish: Learn and Earn program offered to eighth- and ninth-grade students in the Kalamazoo Public Schools. Students will be awarded one high school world language credit (Spanish I) for successfully passing the course. Details will be made available in early May.

LOOKING AHEAD TO HIGH SCHOOL . . .

Like the middle schools, the high schools operate on a semester schedule. We believe the semester schedule will help students meet the graduation requirements of the Michigan Merit Curriculum and provide flexibility in meeting students needs. Grades are issued at the end of each semester.

Sample School Year on the Semester Schedule	
Fall Semester: August - January (18 weeks)	Spring Semester: January - June (18 weeks)

One-half (0.5) credit will be awarded for each semester (18-week) course that is passed successfully. Students shall be scheduled into seven courses per semester. Students can earn 3.5 credits per semester for two semesters per year (7.0) credits total per year. Students need a minimum of 24 credits to graduate.

Sample Four-Year Plan on the Semester Schedule			
		Fall Semester (18 weeks) August - January	**Spring Semester (18 weeks) January - June**
9th Grade earn 7.0 credits	1st 2nd 3rd 4th 5th 6th 7th	Algebra I 9 A English 9 A World Language I A Environmental Science World History A Elective Seminar	Algebra I 9 B English 9 B World Language I B Elective World History B Physical Education Seminar
10th Grade earn 7.0 credits 14 credits cumulative	1st 2nd 3rd 4th 5th 6th 7th	Geometry A English 10A World Language II A Biology A US History A Elective Seminar	Geometry B English 10B World Language II B Biology B US History B Elective Seminar
11th Grade 21 credits cumulative	1st 2nd 3rd 4th 5th 6th 7th	Algebra II A English 11 A Government & Politics A Science or Science Related A Economics Elective Seminar	Algebra II B English 11B Government & Politics B Science or Science Related B Personal Finance Elective Seminar
12 Grade 28 credits cumulative	1st 2nd 3rd 4th 5th 6th 7th	Final year math experience College English A Social Studies Elective Elective Elective Elective Seminar	College English B Elective Elective Elective Elective Elective Seminar

ENROLLMENT/GRADE CLASSIFICATION

Ninth Grade: Students who enter high school from one of our middle schools are expected to have passed all eighth grade courses.

Minimum number of credits needed for classification as:		
Sophomore	Grade 10	5.0
Junior	Grade 11	11.0
Senior	Grade 12	17.0
Minimum number of credits required to graduate:		**24.0**

HIGH SCHOOL GRADUATION REQUIREMENTS

The following graduation requirements were adopted by the Kalamazoo Public Schools' Board of Education and meet the Michigan Merit Curriculum (MMC). The requirements are subject to review and may change at the discretion of the Board. Any such changes would follow a phase-in process.

Required Credits/Subjects	# of Credits
English	4
Mathematics	4
Science	3
Social Studies	4
Physical Education	.5
Health	.5
Visual, Performing and Applied Arts	1
World Language	2
Personal Finance	.5
College & Career Readiness	.5
Electives	5.5-6.0
MINIMUM NUMBER OF CREDITS TO GRADUATE	24

Additional Requirements for Graduation:

- **MME – Grade 11**

Within the minimum number of credits required in subject areas are specific course requirements as listed below:

REQUIRED ACADEMIC COURSES	
English 1.0 English 9 or Honors English 9 1.0 English 10 or Honors English 10 1.0 English 11 or Honors English 11 1.0 English or English-related course (final year experience)	**Math** 1.0 Algebra I 1.0 Geometry 1.0 Algebra II 1.0 Final year math experience
Science Students must take at least one semester in each of the following areas of science: Physical Science, Life Science, and Earth Science.	**Social Studies** 1.0 World History 1.0 U.S. History 1.0 Government .5 Economics .5 Social Studies Elective

STUDENT-ATHLETES

It isn't too early to acquaint yourself with the NCAA (National Collegiate Athletic Association).

If you are planning to enroll in college as a freshman and wish to participate in Division I or Division II athletics, you must be certified by the NCAA Initial Eligibility Center. The Eligibility Center ensures consistent application of NCAA initial-eligibility requirements for all prospective student-athletes to all member institutions.

Your Responsibility as a Prospective Student-Athlete:
It is your responsibility to make sure the Eligibility Center has the documents it needs to certify you.

These documents are:

- completed and signed Student Release Form and registration form
- completed transcript mailed directly from every high school you have attended
- ACT and/or SAT scores
- Foreign Student Application (if applicable)

To be certified by the Eligibility Center you must:

Graduate from High School

You should apply for certification if you are sure you wish to participate in athletics as a freshman in the college to which you will be admitted. The Eligibility Center will issue a preliminary certification report when you have had all your materials submitted. After you graduate, if your eligibility information is requested by a member institution, the Eligibility Center will review your final transcript to make a final certification decision according to NCAA standards.

Have a GPA of at least 2.3

Earn a Grade Point Average (GPA) on a 4.0 scale of at least 2.3 in a core curriculum of at least 16 (or 14 for Division II) academic courses which were successfully completed during grades 9 through 12. Only courses that satisfy the NCAA definition of a core course can be used to calculate your NCAA GPA. No special values are allowed for "+" or "-"grades.

The standards maintain 16 core courses passed, **but 10 of those 16 courses must be completed by the START of the student-athlete's senior year of high school.** Additionally, the new sliding scale for the SAT/ACT will soon be approved with higher test scores required.

For more information about the National Collegiate Athletic Association eligibility requirements, visit www.ncaa.org or contact your high school counselor.

NEW! Career Pathway Maps and Labor Market Navigator for Kalamazoo Public Schools

(See Index to access full maps and other information)

Students and families, in an effort to help students pave and design their path to their Promise, and to develop meaningful and relevant course schedules from grades 6 to grade 12 to intentionally prepare academically, technically, and professionally, we created Career Pathway Maps and a Labor Market Navigator for them to explore in all of the 14 National Career Clusters pathway areas. Students can view main clusters and subclusters related to pathways of interest. These career planning and exploration resources are designed to help guide students into progressive learning and career opportunities directly related and streamlined to their education, career, and life goals as they update their goals and plans for success in their Educational Development Plan (EDP) in Xello.

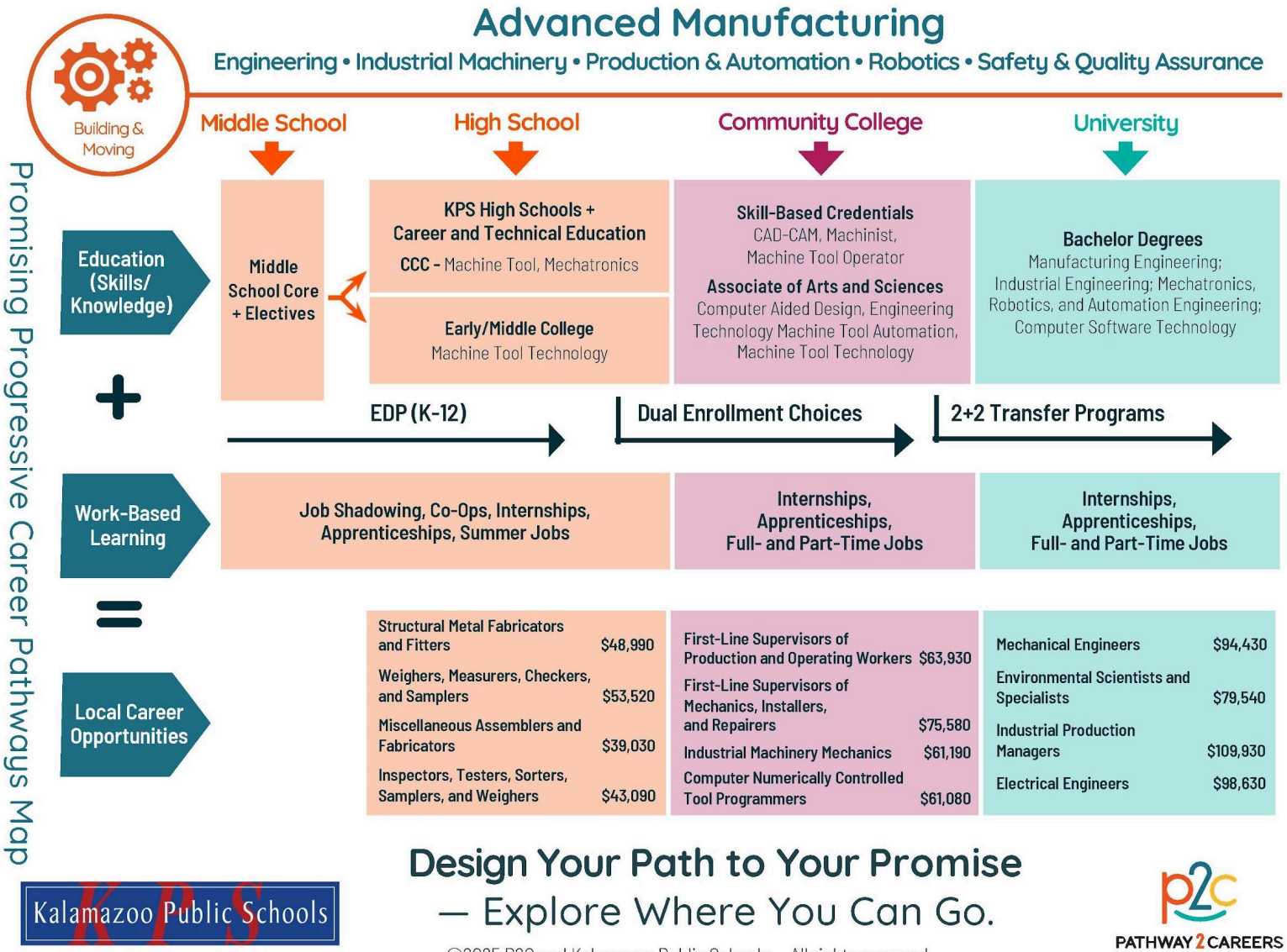
The Career Pathway Maps connect paths to recommended middle school and high school core, specials, and elective KPS courses, Early Middle College (EMC), Career and Technical Education (CTE), Education for the Arts (EFA), and Dual Enrollment (DE), and apprenticeship offerings in our district by pathway. The bulletin of courses for both middle school and high school are also linked to the Career Pathway Maps so students and families can explore other KPS course and program offerings.

The Career Pathway Maps also identify the careers available within the local workforce region, provide the median wage for that occupation, and provide the education level required to obtain the career. Students can explore work-based learning opportunities, identify resources, and plan coursework to support a preferred career path. Students can better prepare academically for college, career, internships, and workforce training aspirations while building relevant skills and competencies in any given career pathway.

KPS students also have access to a Labor Market Navigator created specifically for the Kalamazoo Public Schools to research local, state, and national labor market information to understand workforce trends in helping them achieve employment success. Students can access basic statistics pertaining to median wage, annual job openings, growth, and job zones, so they can gain awareness of the top career clusters and pathways that offer high-value career destinations as they understand the importance of how academics, training, and preparation can position them to maximize and realize their Promise.

College and Career Exploration Resource links to top college and career readiness websites to help students make informed education, career, work, and life decisions for their promising future are also accessible in the Career Pathway Maps.

Advanced Manufacturing
Agriculture
Arts, Entertainment, & Design
Construction
Digital Technology
Education
Energy & Natural Resources
Financial Services
Health Care & Human Services
Hospitality, Events, & Tourism
Management & Entrepreneurship
Marketing & Sales
Public Service & Safety
Supply Chain & Transportation


Promising Progressive Career Pathways Map
Advanced Manufacturing
Engineering • Industrial Machinery • Production & Automation • Robotics • Safety & Quality Assurance
Building & Moving
Middle School
High School
Community College
University
Education (Skills/ Knowledge)
Middle School Core + Electives
KPS High Schools + Career and Technical Education
CCC - Machine Tool, Mechatronics
Early/Middle College
Machine Tool Technology
Skill-Based Credentials
CAD-CAM, Machinist, Machine Tool Operator
Associate of Arts and Sciences
Computer Aided Design, Engineering Technology Machine Tool Automation, Machine Tool Technology
Bachelor Degrees
Manufacturing Engineering; Industrial Engineering; Mechatronics, Robotics, and Automation Engineering; Computer Software Technology
EDP (K-12)
Dual Enrollment Choices
2+2 Transfer Programs
Work-Based Learning
Job Shadowing, Co-Ops, Internships, Apprenticeships, Summer Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Local Career Opportunities
Structural Metal Fabricators and Fitters $48,990
Weighers, Measurers, Checkers, and Samplers $53,520
Miscellaneous Assemblers and Fabricators $39,030
Inspectors, Testers, Sorters, Samplers, and Weighers $43,090
First-Line Supervisors of Production and Operating Workers $63,930
First-Line Supervisors of Mechanics, Installers, and Repairers $75,580
Industrial Machinery Mechanics $61,190
Computer Numerically Controlled Tool Programmers $61,080
Mechanical Engineers $94,430
Environmental Scientists and Specialists $79,540
Industrial Production Managers $109,930
Electrical Engineers $98,630
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PATHWAY 2 CAREERS

Advanced Manufacturing

Design Your Path to Your Promise — Here's How You Can Get There.

MIDDLE SCHOOL

English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
English	6th Grade Math or Accelerated Math	6th Grade Science	Social Studies	Mandarin Chinese	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
English	7th Grade Math or Accelerated Math	7th Grade Science	Social Studies	Spanish for Begin. (Elective)	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
English	8th Grade Math or Algebra	Science/Robotics	Social Studies	Spanish Intermediate	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart

HIGH SCHOOL

English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
English 9 / Honors English	Algebra 1 and Geometry	Environ. Science & Biology (CEB)	World History	Mandarin Chinese	PE	Tech Smart	Band, Orchestra, or Choir and other career-related programs below.
English 10 / Honors English	Geometry or Algebra II	Biology (DEE) or Chemistry or Physics	US History	Mandarin Chinese	Health	College/Career Readiness	
English 11 A or Honors or AP	Algebra II or Pre-Calculus	Physics or Chemistry or Earth Science	Gov or AP Gov	Mandarin Chinese / French	Drafting	Economics	
College Eng. 12 or Honors Eng.	Pre-Calculus or AP Calculus	Astronomy or Geology	Social Studies Elective	Mandarin Chinese / French	Fine Arts	Electronics & Robotics	

Grade	Possible Career-Connected Pathway Choices	
9	Computer Science/Software Engineering	Information Technology
10-12	Electronics & Robotics I and II	Drafting: General, Architectural, and Mechanical
10-12	Computerized Manufacturing	Mechatronics: Robotics & Automation
11-12	Statistics	Machine Tools

Dual Enrollment Courses

- Beginning Computer Skills
- Fundamentals of Tech Drawing
- Fundamentals of Machine Tool Ops
- Basics of Mechanical Science
- Trends in Manufacturing
- CAD Design

Postsecondary Programs/Majors for Occupations in this Career Cluster

Certificates and Associate's Degrees	Bachelor's and Advanced Degrees
• Machinist Certificate • CAD-CAM Certificate • Machine Tool Operator, COA • CNC Operator, COA • Computer Aided Design, AAS • Engineering Technology, AAS • Machine Tool Tech., AAS	• Mechanical Engineering • Manufacturing Engineering • Industrial Engineering • Robotics Technology • Electrical/Electronic Engineering Technology

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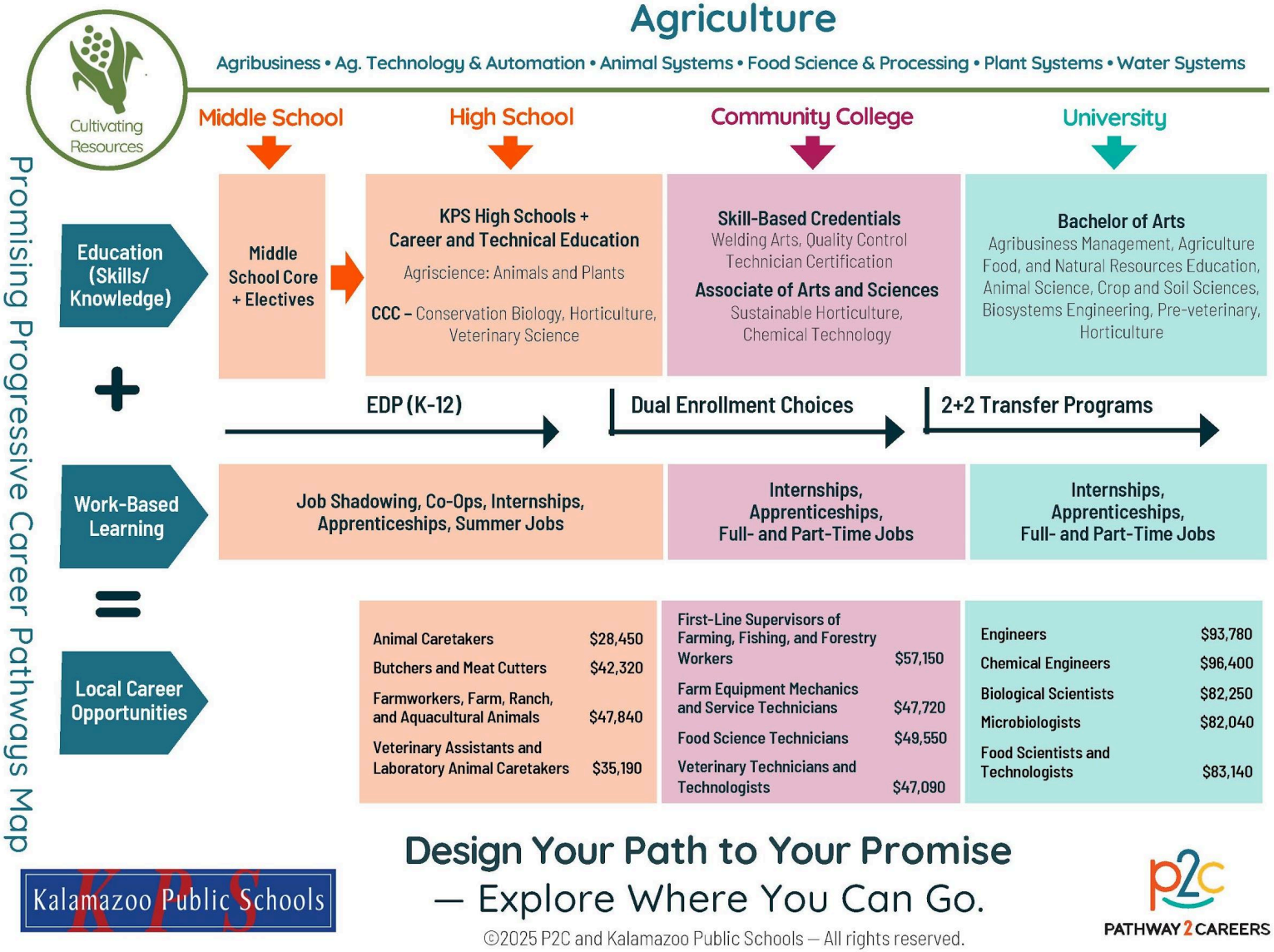
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P2C PATHWAY 2 CAREERS

Advanced Manufacturing: *Engineering and Producing Tomorrow's Solutions*	
Cluster Definition: The Advanced Manufacturing Career Cluster blends innovative technologies and practices to enhance design and production. It covers areas such as engineering, research and development, automation and artificial intelligence, equipment maintenance, safety protocols, and quality control. This Cluster aims to increase efficiency, reduce waste, ensure safety, and produce high-quality goods, driving the industry's growth and adapting to modern demands.	
Sub-Clusters	**Example Programs of Study**
Engineering: Careers that use engineering principles to develop and improve manufacturing processes and systems and to design products. Professionals in this field tackle production challenges, boost efficiency, leverage advanced technologies, and contribute to the sector's advancement. The manufacturing sector encompasses numerous types of engineering, including mechanical, electrical, chemical, biopharmaceutical, materials, and industrial. This Sub-Cluster also involves research and development and prototyping for emerging products and systems.	Engineering & Technology Pre-Engineering Semiconductor Manufacturing Engineering Technology
Industrial Machinery: Careers focused on working with manual equipment, such as computer-numerical-controlled (CNC) machines, 3D printers, quality control equipment, material handling tools, maintenance and repair devices, specialized machining and surface treatment machines, fabrication equipment, and energy management systems. Professionals in this field set up, operate, maintain, and repair advanced machinery, ensuring efficient and safe performance.	Industrial Machine Mechanics Precision Machining
Production & Automation: Careers centered on the hands-on management and execution of manufacturing processes. This field involves automation, overseeing production lines, quality control, assembly and product finishing, and ensuring efficient workflow. This Sub-Cluster includes specialized sectors such as processed food and beverage production and textile manufacturing, emphasizing efficiency and adherence to industry standards across diverse production types.	Apparel & Textile Production Manufacturing Production Process Development
Robotics: Careers involved in developing, implementing, and maintaining technologies that deploy robotics. This field encompasses roles focused on programming robots; overseeing production lines enhanced by robotics, mechatronics, and smart manufacturing concepts; and ensuring that these technologies operate efficiently and safely.	Industry 4.0 Robotics Technology
Safety & Quality Assurance: Careers dedicated to ensuring workplace safety, worker health, environmental compliance, and product quality. Professionals in this field develop and implement standards and practices to maintain safe and sustainable operations while conducting rigorous testing and inspections to uphold product integrity.	Safety & Environmental Assurance

Career Clusters
Pathways to College & Career Readiness

ADVANCE CTE
State Leaders Connecting Learning to Work


Agriculture
Agribusiness • Ag. Technology & Automation • Animal Systems • Food Science & Processing • Plant Systems • Water Systems
Cultivating Resources
Promising Progressive Career Pathways Map
Middle School
High School
Community College
University
Education (Skills/ Knowledge)
Middle School Core + Electives
KPS High Schools + Career and Technical Education
Agriscience: Animals and Plants
CCC – Conservation Biology, Horticulture, Veterinary Science
Skill-Based Credentials
Welding Arts, Quality Control Technician Certification
Associate of Arts and Sciences
Sustainable Horticulture, Chemical Technology
Bachelor of Arts
Agribusiness Management, Agriculture Food, and Natural Resources Education, Animal Science, Crop and Soil Sciences, Biosystems Engineering, Pre-veterinary, Horticulture
EDP (K-12)
Dual Enrollment Choices
2+2 Transfer Programs
Work-Based Learning
Job Shadowing, Co-Ops, Internships, Apprenticeships, Summer Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Local Career Opportunities
Animal Caretakers $28,450
Butchers and Meat Cutters $42,320
Farmworkers, Farm, Ranch, and Aquacultural Animals $47,840
Veterinary Assistants and Laboratory Animal Caretakers $35,190
First-Line Supervisors of Farming, Fishing, and Forestry Workers $57,150
Farm Equipment Mechanics and Service Technicians $47,720
Food Science Technicians $49,550
Veterinary Technicians and Technologists $47,090
Engineers $93,780
Chemical Engineers $96,400
Biological Scientists $82,250
Microbiologists $82,040
Food Scientists and Technologists $83,140
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PATHWAY 2 CAREERS

Agriculture

Design Your Path to Your Promise — Here's How You Can Get There.

	English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
MIDDLE SCHOOL	English	6th Grade Math or Accelerated Math	6th Grade Science	Social Studies	Spanish for Beginners (Elective)	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
	English	7th Grade Math or Accelerated Math	7th Grade Science	Social Studies	Spanish Intermediate	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
	English	8th Grade Math or Algebra	Science/Robotics	Social Studies	Spanish 1	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart

	English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
HIGH SCHOOL	English 9 / Honors English	Algebra 1 or Geometry	Environ. Science & Biology (CEB)	World History	Spanish	PE	Tech Smart	Band, Orchestra, or Choir or other career programs below.
	English 10 / Honors English	Geometry or Algebra II	Biology (DEE) or Chemistry or Physics	US History	Spanish	Health	College/Career Readiness	
	English 11 A or Honors or AP	Algebra II and/or Personal Finance	Earth Science	Gov or AP Gov	Spanish / French	Eco Art	Economics	
	College Eng. 12 or Honors Eng.	Pers. or Bus. Fin. or Stageology	Geology	Social Studies Elective	Spanish / French	Fine Arts	Conservation Biology	

Grade	Possible Career-Connected Pathway Choices	
9	Earth Science A & B	Eco Art
10-12	Agriscience: Animals & Plants	Horticulture
10-12	Conservation Biology	Biotechnology A&B
12	Veterinary Science	Welding

Dual Enrollment Courses

- Cellular Biology
- Fundamentals of Physics
- Introduction to Horticulture
- Introduction to Sustainable Food Systems
- Introduction to Welding
- Horticultural Management

Postsecondary Programs/Majors/Apprenticeships for Occupations in this Career Cluster

Certificates, Associate's Degrees, and Apprenticeships	Bachelor's and Advanced Degrees
• Sustainable Horticulture, AAS • Chemical Technology, AAS • Welding Arts • Quality Control Technician Certification	• Agribusiness Management • Agriculture ,Food, and Natural Resources Education • Animal Science • Crop and Soil Sciences • Biosystems Engineering • Pre-veterinary • Horticulture

Kalamazoo Public Schools

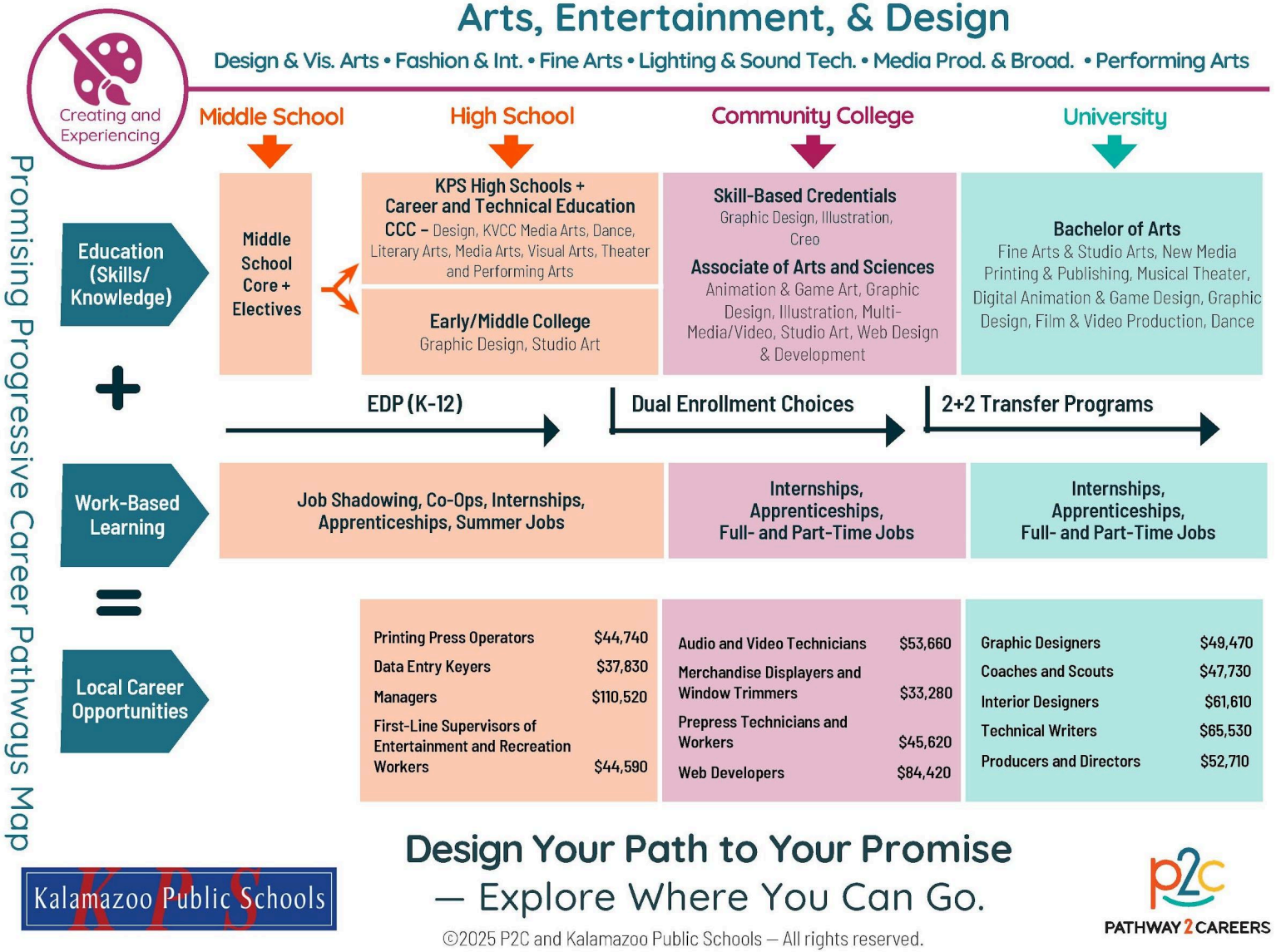
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P2C PATHWAY 2 CAREERS

Agriculture: *Cultivating Sustainability & Nourishing the World*	
Cluster Definition: The Agriculture Career Cluster concentrates on scientific advancement of agriscience, cultivation, processing, and distribution of agricultural products, employing advanced technologies and sustainable practices to optimize global food systems. This Cluster also supports other plant- and animal-based industries including regenerative agriculture, sustainable logging, and fisheries. This Cluster has meaningful connections with the Energy and Natural Resources Cluster, highlighting a symbiotic relationship that emphasizes stewardship and resilient communities.	
Sub-Clusters	**Example Programs of Study**
Agribusiness: Careers focused on the economic aspects of agriculture, encompassing farm and rangeland management, agribusiness finance, international relations, supply chain management, and other functions that are essential for agricultural profitability. Professionals in this field manage farms and ranches of various scales and oversee agricultural finances, which are crucial functions for profitable and sustainable agricultural enterprises.	Agribusiness Agricultural Policy Agricultural Finance
Agricultural Technology & Automation: Careers at the intersection of agriculture and technology, focusing on the design and operation of agricultural equipment and systems; repair and maintenance of agricultural equipment; and agricultural engineering, mechanics, and automation processes. This Sub-Cluster includes innovative farming methods such as precision, urban, and vertical farming to increase efficiency, productivity, and sustainability in agriculture.	Agricultural Technology Precision Agriculture Urban Farming Agricultural Mechanics
Animal Systems: Careers that both promote the health and well-being of animals, including companion, livestock, and exotic animals, and facilitate the efficient production of animal-related products within the food system. For livestock and poultry, professionals in this field aim to optimize the production of meat, dairy, eggs, and other animal products. Careers in this field also include veterinary and other services to manage the care, breeding, behavior, enrichment, and management of animals. This Sub-Cluster also incorporates genetics, nutrition, biotechnology, and pharmaceuticals to improve animal welfare and production efficiency.	Animal Nutrition Livestock Management Veterinary Science
Food Science & Processing: Careers centered on applying scientific and technological principles to the development, enhancement, processing, and usability of agricultural food products. Professionals in this field work with fruit, vegetable, grain, and meat processing, ensuring that these products are nutritious and safe for consumption. This Sub-Cluster is crucial in maintaining quality control and nutritional value, enhancing product freshness, and meeting consumer and regulatory standards.	Food Science Meat Science Sustainable Food & Farming
Plant Systems: Careers involving the study and management of plant growth, soil health, and pest management, focusing on sustainable crop production for both food and goods. This Sub-Cluster includes careers in agronomy, horticulture, timber and plant fiber harvesting, and soil science that are aimed at enhancing crop yields, preserving soil resources, and developing advanced production practices.	Horticulture Forestry Plant Science Floriculture
Water Systems: Careers centered on the effective management and use of water resources in agricultural settings, including precision irrigation, aquaculture, and fisheries. Professionals in this field are dedicated to maximizing water efficiency and productivity in farming operations to enhance crop yield and support sustainable fish farming practices.	Aquaculture Marine Biology

Career Clusters
Pathways to College & Career Readiness

ADVANCE CTE
State Leaders Connecting Learning to Work


Arts, Entertainment, & Design
Design & Vis. Arts • Fashion & Int. • Fine Arts • Lighting & Sound Tech. • Media Prod. & Broad. • Performing Arts
Creating and Experiencing
Promising Progressive Career Pathways Map
Middle School
High School
Community College
University
Education (Skills/ Knowledge)
Middle School Core + Electives
KPS High Schools + Career and Technical Education
CCC – Design, KVCC Media Arts, Dance, Literary Arts, Media Arts, Visual Arts, Theater and Performing Arts
Early/Middle College
Graphic Design, Studio Art
Skill-Based Credentials
Graphic Design, Illustration, Creo
Associate of Arts and Sciences
Animation & Game Art, Graphic Design, Illustration, Multi-Media/Video, Studio Art, Web Design & Development
Bachelor of Arts
Fine Arts & Studio Arts, New Media Printing & Publishing, Musical Theater, Digital Animation & Game Design, Graphic Design, Film & Video Production, Dance
EDP (K-12)
Dual Enrollment Choices
2+2 Transfer Programs
Work-Based Learning
Job Shadowing, Co-Ops, Internships, Apprenticeships, Summer Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Local Career Opportunities
Printing Press Operators $44,740
Data Entry Keyers $37,830
Managers $110,520
First-Line Supervisors of Entertainment and Recreation Workers $44,590
Audio and Video Technicians $53,660
Merchandise Displayers and Window Trimmers $33,280
Prepress Technicians and Workers $45,620
Web Developers $84,420
Graphic Designers $49,470
Coaches and Scouts $47,730
Interior Designers $61,610
Technical Writers $65,530
Producers and Directors $52,710
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P2C
PATHWAY 2 CAREERS

Arts, Entertainment, & Design

Design Your Path to Your Promise — Here's How You Can Get There.

	English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
MIDDLE SCHOOL	English	6th Grade Math or Accelerated Math	6th Grade Science	Social Studies	Spanish for Beginners (Elective)	Physical Ed./ 6th Gr. Art Studio	Life Skills	Tech Smart/Band Orchestra, or Choir
	English	7th Grade Math or Accelerated Math	7th Grade Science	Social Studies	Spanish Intermediate	Physical Ed./ 7th Gr. Art Studio	Life Skills	Tech Smart/Band Orchestra, or Choir
	English	8th Grade Math or Algebra	Science/Robotics	Social Studies	Spanish 1	Physical Ed./ 6th Gr. Art Studio	Life Skills	Tech Smart/ Art Foundations
	English Language Arts	**Math**	**Science**	**Social Studies**	**World Language**	**Enrichment**	**Career Readiness**	**Elective Focus**
HIGH SCHOOL	English 9 / Honors English	Algebra and Geometry	Environ. Science & Biology (CEB)	World History	French	PE	Tech Smart	Band, Orchestra, or Choir or other career programs below.
	English 10 / Honors English	Geometry or Algebra II	Biology (DEE) or Chemistry or Physics	US History	French	Health	College/Career Readiness	
	English 11 A or Honors or AP	Algebra II or Personal Finance	Earth Science or Physics	Gov or AP Gov	French / Mandarin Chinese	Visual Arts Exploration	Economics	
	College Eng. 12 or Honors Eng.	Statistics or Math Modeling	Geology or Astronomy	Social Studies Elective	French / Mandarin Chinese	Fine Arts	Mixed Media	

Grade	Possible Career-Connected Pathway Choices	
9	Art Foundations	Beginning Dance/ World Dance
10-12	Drawing Studio	Mixed Media
10-12	Photography	Visual Arts Exploration
10-12	AP Studio Art Portfolio	Film and Video Arts

Dual Enrollment Courses

- Adobe Creative Suite
- Bus Practices/Creative Careers
- Public Speaking
- Video Production
- Multimedia
- Audio Production
- Storyboarding
- 2D Design & Color Theory
- College Writing I

Postsecondary Programs/Majors/Apprenticeships for Occupations in this Career Cluster

Certificates, Associate's Degrees, and Apprenticeships	Bachelor's and Advanced Degrees
• Animation & Game Art, AAS • Graphic Design, AAS • Illustration, AAS • Multi-Media/Video, AAS • Studio Art, AA • Web Design & Development, AAS • Graphic Design Certificate • Illustration Certificate	• Fine Arts & Studio Arts • New Media Printing & Publishing • Musical Theater • Digital Animation & Game Design • Graphic Design • Film & Video Production • Dance

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P2C PATHWAY 2 CAREERS

Arts, Entertainment, & Design: *Inspiring Creativity, Innovation, & Artistry*

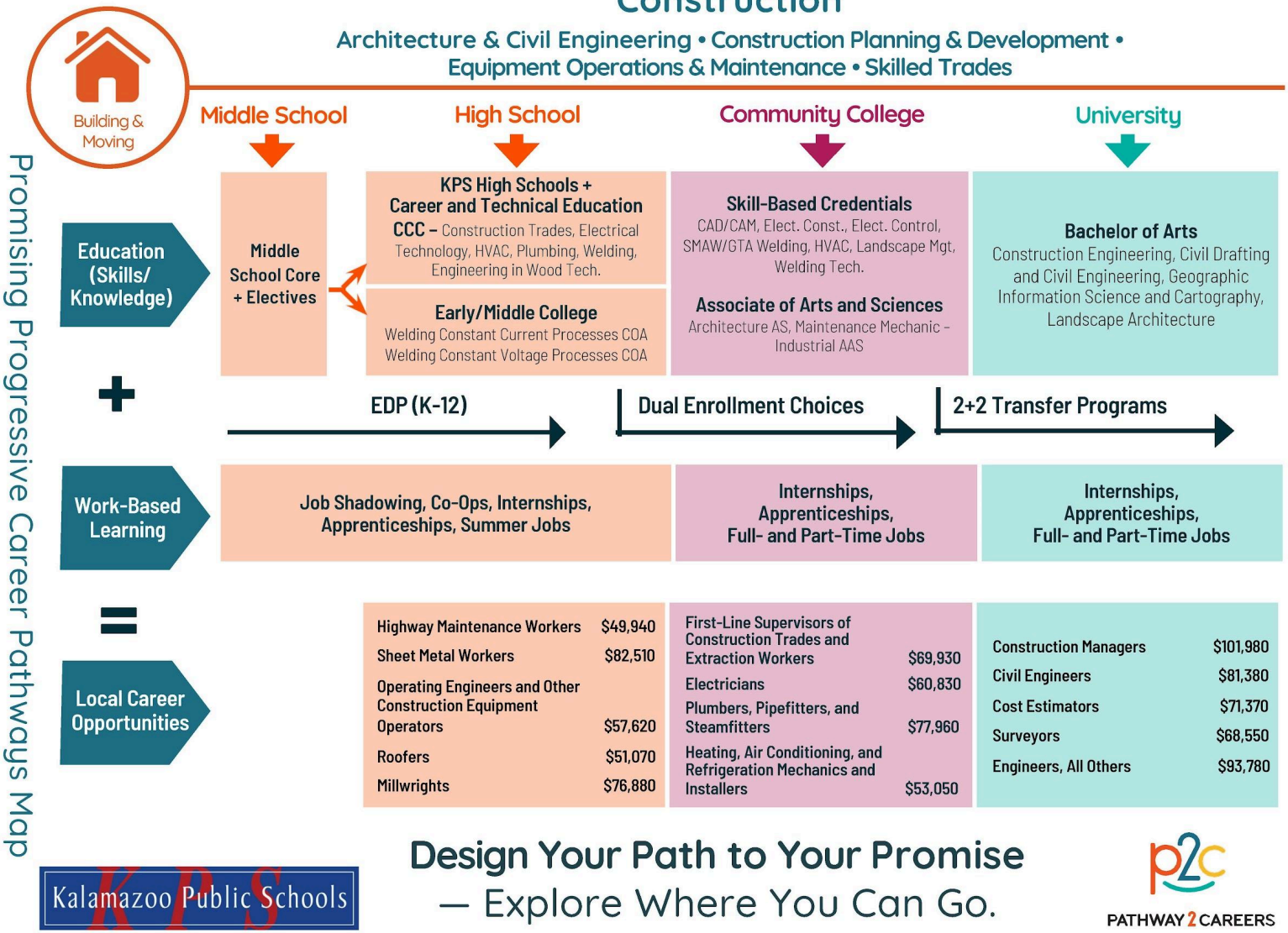
Cluster Definition: The Arts, Entertainment, & Design Career Cluster combines creative roles in visual and performing arts, film, journalism, fashion, interior design, and creative technologies. This Cluster focuses on creating, producing, and sharing artistic and design work across multiple platforms, aiming to entertain, inform, beautify, and inspire.

Sub-Clusters	Example Programs of Study
Design & Digital Arts: Careers encompassing the creation and production of visually engaging digital content such as animation, visual marketing, graphic design, print media, augmented and virtual reality, web design, game design, and user interfaces/user experiences. This Sub-Cluster combines artistic talent and technology to produce interactive content, entertainment, commercial product and packaging design, and promotional materials.	Digital Animation Graphic Arts
Fashion & Interiors: Careers bridging the creative and commercial aspects of fashion design, production, marketing, and sales with the art and science of interior design and decoration. Professionals in this field are dedicated to creating, promoting, and selling apparel, accessories, footwear, costuming, and textiles. Interior design careers focus on designing, improving, and decorating interior spaces through space layout and materiality with the goal of enhancing functionality and esthetic appeal.	Apparel & Textiles Fashion Design Interior Design
Fine Arts: Careers focused on the technical and artistic skill needed for the creation, promotion, and sale of visual art forms including painting, sculpture, and pottery. Professionals in this field focus on producing works that not only possess esthetic value but also serve as mediums for expression, and they are involved in every stage from conceptualization to exhibition, ensuring that art is accessible and resonates deeply with audiences.	Fine Arts Museum Studies
Lighting & Sound Technology: Careers specializing in sound engineering and lighting design, which are vital for both functional and artistic applications, including immersive experiences in film, music, performing arts, fine arts, and interiors. Professionals in this field adeptly manipulate sound and light to set moods, highlight themes, and enhance audience engagement, contributing significantly to the success and impact of artistic and design endeavors.	Audio & Visual Technology Lighting Design Sound Engineering
Media Production & Broadcasting: Careers encompassing film, television, radio, journalism, communications, writing, and broadcasting, focusing on content creation, production, and distribution. This field includes direction, production, cinematography, and publishing, emphasizing storytelling and technical expertise. This Sub-Cluster also highlights the impact and ethical use of emerging technologies, including artificial intelligence, in enhancing visual effects and streamlining production. Broadcasting includes digital technologies such as streaming and podcasting, transforming audience engagement and content consumption.	Broadcasting Technology Filmmaking: Production & Managerial Arts Journalism Video Production
Performing Arts: Careers focused on the technical and management elements of the performing arts and entertainment industry to produce and stage live artistic and athletic performances, including theater, music, dance, and sports. This Sub-Cluster encompasses the core creative and artistic talents coming from actors, musicians, dancers, and other performers intended to entertain, inform, and provoke thought in audiences. It also covers a wide range of genres and styles and plays a vital role in cultural preservation, expression, & entertainment.	Performing Arts Stage Design & Management

Career Clusters
Pathways to College & Career Readiness

ADVANCE CTE
State Leaders Connecting Learning to Work

Promising Progressive Career Pathways Map



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Construction

Design Your Path to Your Promise — Here's How You Can Get There.

	English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
MIDDLE SCHOOL	English	6th Grade Math or Accelerated Math	6th Grade Science	Social Studies	Spanish for Beginners (Elective)	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
	English	7th Grade Math or Accelerated Math	7th Grade Science	Social Studies	Spanish Intermediate	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
	English	8th Grade Math or Algebra	Science/Robotics	Social Studies	Spanish 1	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart

	English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
HIGH SCHOOL	English 9 / Honors English	Algebra 1 or Geometry	Environ. Science & Biology (CEB)	World History	Spanish	PE	Tech Smart	Band, Orchestra, or Choir or other career programs below.
	English 10 / Honors English	Geometry or Algebra II	Biology (DEE) or Chemistry or Physics	US History	Spanish	Health	College/Career Readiness	
	English 11 A or Honors or AP	Algebra II or Math Modeling	Earth Science	Gov or AP Gov	Spanish	Industrial/ Mech. Drafting	Economics	
	College Eng. 12 or Honors Eng.	Business or Personal Finance	Geology	Social Studies Elective	Spanish	Drafting	Construction Trades	

Grade	Possible Career-Connected Pathway Choices	
9		Industrial/Mechanical Drafting
10-12	Drafting: General, Architectural, or Mechanical	Electrical Technology
10-12	Construction Trades	Plumbing
12	Welding	HVAC

Dual Enrollment Courses

- Fundamentals of Tech Drawing
- Architect Blueprint Reading
- Theory 1: Applied Electricity
- Basic GMAW/FCAW Welding
- Shop Fundamentals
- Basic Electricity
- Fundamentals Machine Tool Ops

Postsecondary Programs/Majors for Occupations in this Career Cluster

Certificates, Associate's Degrees, and Apprenticeships

- Architecture, AS
- AutoCAD, COA
- Electrical Const. Certificate
- Welding Technologies
- HVAC Certificate
- Maintenance Mechanic – Industrial, AAS or Certificate
- Landscape Management Certificate

Bachelor's and Advanced Degrees

- Construction Engineering
- Civil Drafting and Civil Engineering
- Geographic Information Science and Cartography
- Landscape Architecture

Kalamazoo Public Schools

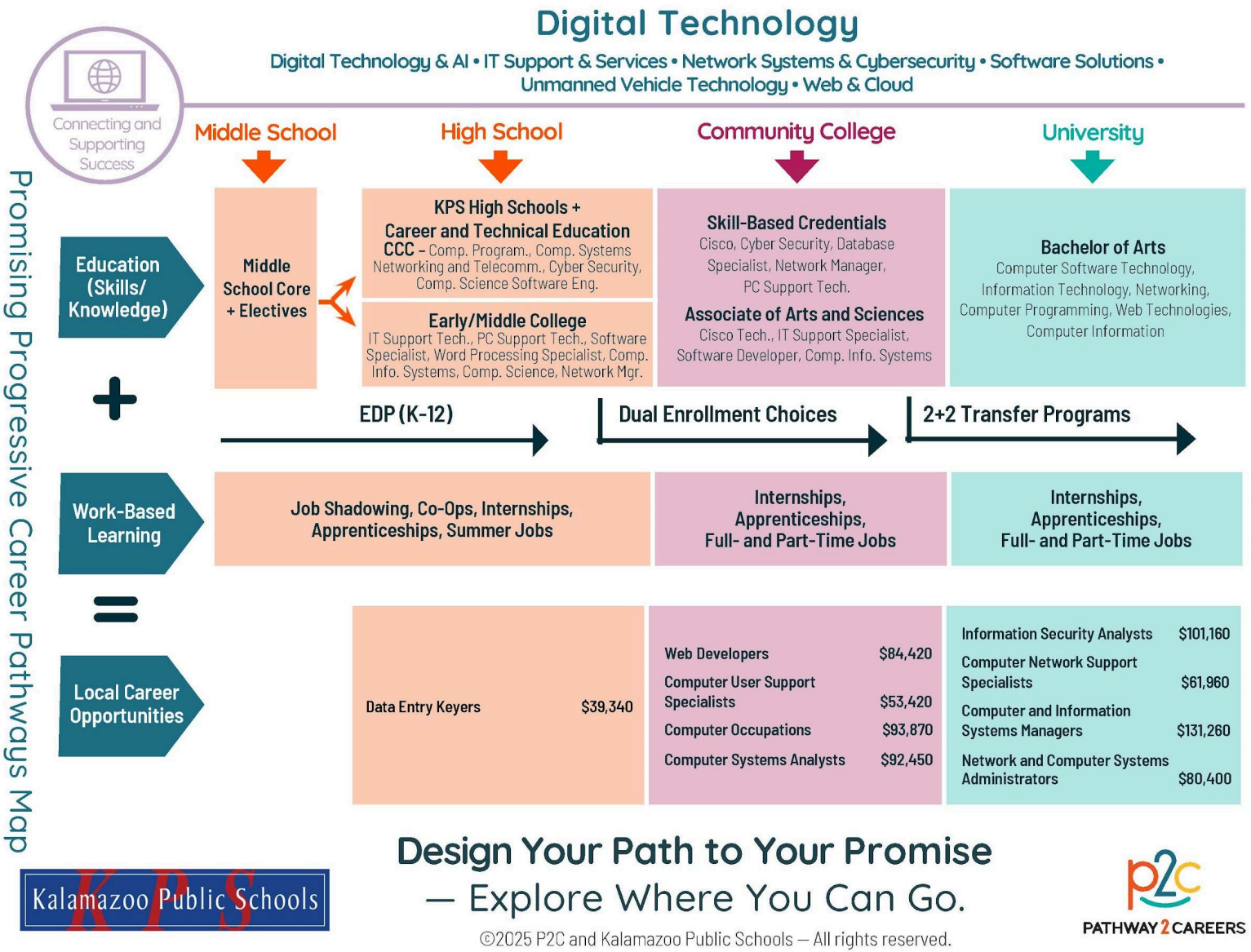
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P2C PATHWAY 2 CAREERS

Construction: *Building Futures & Pioneering Sustainable Horizons*	
Cluster Definition: The Construction Career Cluster focuses on professions involved in designing, planning, managing, and executing projects in the built environment. It emphasizes sustainable building practices to ensure that structures are both environmentally responsible and resilient. Careers in this Cluster are pivotal in creating durable infrastructure that meets present needs without compromising future generations' ability to meet their own, covering a range of roles from architects and engineers to construction managers and skilled tradespeople.	
Sub-Clusters	**Example Programs of Study**
Architecture & Civil Engineering: Careers combining the planning, design, and drafting of infrastructure, structures, and landscapes with the application of technical expertise through architecture and civil and structural engineering. Professionals in this field develop sustainable, safe, and esthetically pleasing spaces while ensuring compliance with regulations. This Subc-Cluster spans residential, commercial, industrial, and public infrastructure projects, requiring a blend of creativity, technical precision, and problem-solving to meet modern societal and environmental challenges.	Architectural Design Drafting Landscape Architecture
Construction Planning & Development: Careers emphasizing the critical initial stages of construction and development projects, including preconstruction activities, property development, and land use planning. This field involves site analysis, surveying, cost estimation, securing required permits, conducting feasibility studies, environmental compliance, and construction management. Professionals in this field engage in meticulous planning and preparation to integrate sustainable practices and reduce potential risks and delays, ensuring project success from start to finish.	Construction Management Surveying
Equipment Operation & Maintenance: Careers skilled in managing and servicing the heavy equipment and machinery that are essential for building and infrastructure projects. Professionals in this field ensure that these vital tools operate efficiently and safely, combining technical knowledge with mechanical skills. This Sub-Cluster is crucial for the smooth execution of construction tasks, maintenance of machinery reliability, and adherence to safety standards.	Diesel Mechanics Heavy Machine Operation
Skilled Trades: Careers focused on skilled work that is essential to constructing, maintaining, and repairing buildings and infrastructure including carpentry; welding; masonry; electrical; plumbing; and heating, ventilation, air conditioning, and refrigeration (HVAC-R). Professionals in the skilled trades play a key role in shaping the environment, combining hands-on skills with technical knowledge to ensure functionality and safety in both new and existing infrastructure and structures. Many skilled trades are also in high demand in the Advanced Manufacturing, Agriculture, and Energy and Natural Resources Clusters.	Carpentry Electrical Systems Green Construction HVAC-R Welding Technology

Career Clusters
Pathways to College & Career Readiness

ADVANCE CTE
State Leaders Connecting Learning to Work


Digital Technology
Digital Technology & AI • IT Support & Services • Network Systems & Cybersecurity • Software Solutions • Unmanned Vehicle Technology • Web & Cloud
Connecting and Supporting Success
Promising Progressive Career Pathways Map
Middle School
High School
Community College
University
Education (Skills/ Knowledge)
Middle School Core + Electives
KPS High Schools + Career and Technical Education
CCC – Comp. Program., Comp. Systems Networking and Telecomm., Cyber Security, Comp. Science Software Eng.
Early/Middle College
IT Support Tech., PC Support Tech., Software Specialist, Word Processing Specialist, Comp. Info. Systems, Comp. Science, Network Mgr.
Skill-Based Credentials
Cisco, Cyber Security, Database Specialist, Network Manager, PC Support Tech.
Associate of Arts and Sciences
Cisco Tech., IT Support Specialist, Software Developer, Comp. Info. Systems
Bachelor of Arts
Computer Software Technology, Information Technology, Networking, Computer Programming, Web Technologies, Computer Information
EDP (K-12)
Dual Enrollment Choices
2+2 Transfer Programs
Work-Based Learning
Job Shadowing, Co-Ops, Internships, Apprenticeships, Summer Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Local Career Opportunities
Data Entry Keyers $39,340
Web Developers $84,420
Computer User Support Specialists $53,420
Computer Occupations $93,870
Computer Systems Analysts $92,450
Information Security Analysts $101,160
Computer Network Support Specialists $61,960
Computer and Information Systems Managers $131,260
Network and Computer Systems Administrators $80,400
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PATHWAY 2 CAREERS

Digital Technology

Design Your Path to Your Promise — Here's How You Can Get There.

	English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
MIDDLE SCHOOL	English	6th Grade Math or Accelerated Math	6th Grade Science	Social Studies	Mandarin Chinese	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart/6th Gr. Graphic Design
	English	7th Grade Math or Accelerated Math	7th Grade Science	Social Studies	Spanish for Beginners	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart/7th Gr. Graphic Design
	English	8th Grade Math or Algebra	Science/Robotics	Social Studies	Spanish Intermediate	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart/8th Gr. Graphic Design

	English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
HIGH SCHOOL	English 9 / Honors English	Algebra 1 or Geometry	Environ. Science & Biology (CEB)	World History	Mandarin Chinese	PE	Tech Smart	Band, Orchestra, or Choir and other career programs below.
	English 10 / Honors English	Geometry or Algebra II	Biology (DEE)	US History	Mandarin Chinese	Health	College/Career Readiness	
	English 11 A or Honors or AP	Algebra II or Discrete Math	Physics or Chemistry	Gov or AP Gov	Mandarin Chinese / French	Information Technology	Economics	
	College Eng. 12 or Honors Eng.	Discrete Math	Astronomy	Social Studies Elective	Mandarin Chinese / French	Fine Arts	Computer Programming	

Grade	Possible Career-Connected Pathway Choices	
9-12	Information Technology	Graphic Design
10-12	Electronics and Robotics	Computer Science/Software Engineering
10-12	Computer Programming	Cybersecurity
11-12	AP Computer Science	Electrical Technology

Dual Enrollment Courses

- Intro to Computer Info Systems
- Linux Operating Systems
- Intro to Cybersecurity
- Programming Logic
- Intro to Smart Devices
- PC Hardware and Software Support

Postsecondary Programs/Majors/Apprenticeships for Occupations in this Career Cluster

Certificates, Associate's Degrees, and Apprenticeships	Bachelor's and Advanced Degrees
• Cisco Technician, AAS • IT Support Specialist, AAS • Software Developer, AAS • Unmanned Aerial Systems Op. Cert. • Database Specialist, COA • Network Manager, COA	• Computer Software Technology • Information Technology • Computer Programming • Networking • Web Technologies • Computer Information

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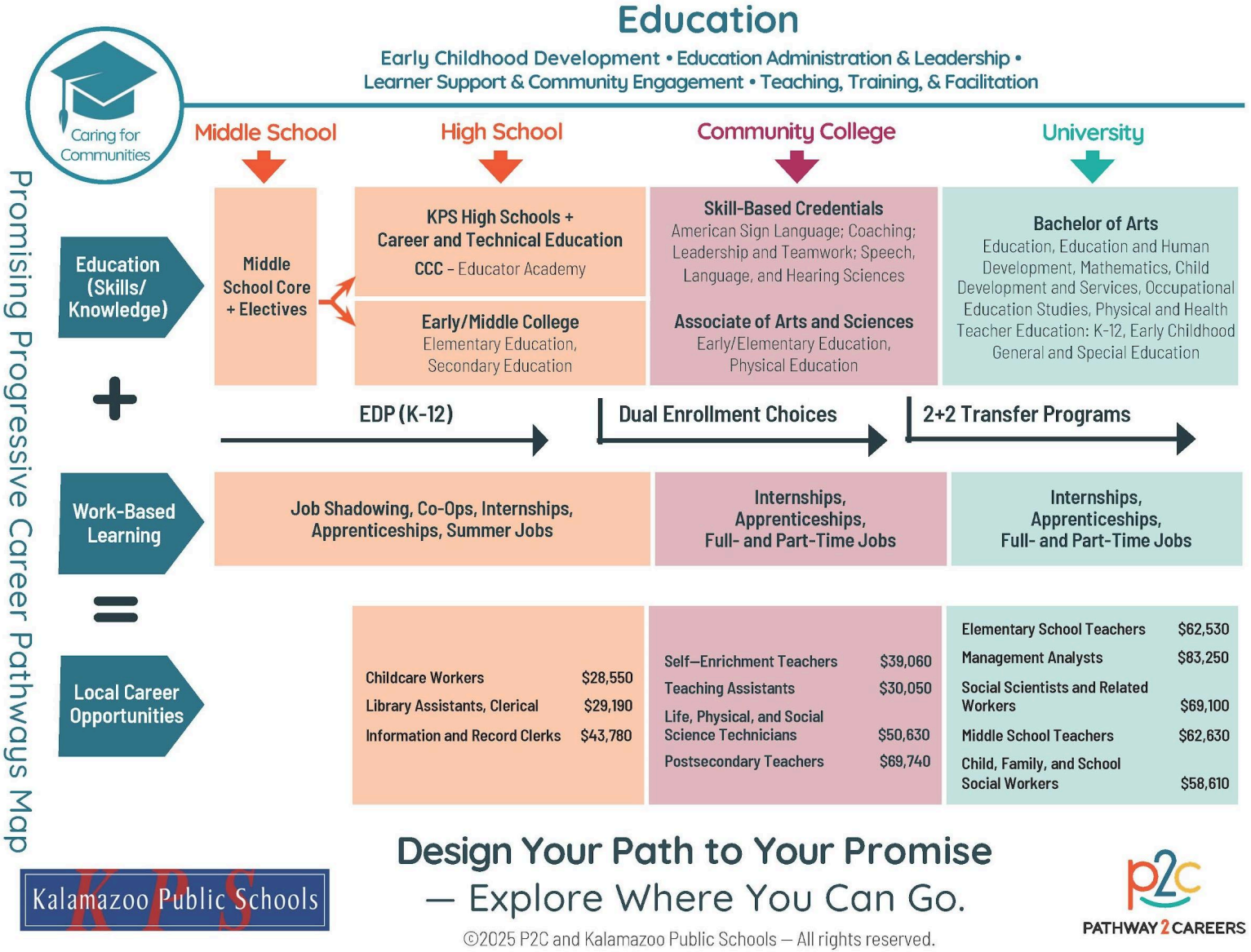
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P2C PATHWAY 2 CAREERS

Cross-Cutting Cluster | Digital Technology: *Modernizing Industries & Connecting Communities*	
Cluster Definition: The Digital Technology Career Cluster focuses on developing digital systems for communication and data storage using critical technologies such as artificial intelligence (AI), data analytics, and cybersecurity. This Cluster builds skills necessary for all careers to navigate and lead in the constantly evolving tech landscape and drives innovation across all industries to tackle complex challenges and opportunities in communities and economies.	
Sub-Clusters	**Example Programs of Study**
Data Science & Artificial Intelligence: Careers combining the power of data analysis, machine learning, and artificial intelligence (AI), including key processes such as data modeling and natural language processing. Professionals in this field apply critical thinking to work on innovative solutions to interpret vast amounts of information, automate decisionmaking processes, develop intelligent algorithms that improve with experience, and enhance communication between humans and machines. AI requires attention to ethical standards and is poised to revolutionize all industries by enhancing efficiency, personalizing experiences, and driving innovation.	Applied Data Science & Analytics
Information Technology (IT) Support & Services: Careers focused on providing setup, assistance, and problem-solving solutions for software, hardware, and other technology-related issues to ensure smooth and efficient operation of communication and data systems for individuals and organizations. This field is essential in maintaining, supporting, and optimizing technological infrastructure, ensuring minimal disruption and maximum efficiency.	Information Support & Services
Network Systems & Cybersecurity: Careers focused on establishing and managing communication networks and protecting them against cyber threats. This Sub-Cluster includes network setup, administration, and maintenance and the implementation of security measures to prevent unauthorized access and data breaches.	Computer Networking Cybersecurity IT Systems
Software Solutions: Careers involved in the development and maintenance of software solutions, built on computer science and encompassing programming, application development, and front-end and back-end software development. This Sub-Cluster also includes developing emerging technologies such as augmented and virtual reality, the Internet of Things, distributed ledger technologies, and quantum computing. It involves creating the underlying code and systems that power applications, designing user interfaces for optimal user experience, and building server-side technologies that process data behind the scenes.	App Design Computer Simulation Game Development Programming
Unmanned Vehicle Technology: Careers related to the development, operation, and use of unmanned vehicles, such as unmanned aerial vehicles, drones, and autonomous ground vehicles, across various sectors. Applications include aerial surveying, precision farming, search and rescue, delivery services, resource management, hazardous environment remediation, and infrastructure inspection. Professionals in this field engage in design, programming, data analysis, and operational management.	Drone Technology Unmanned Aircraft Systems
Web & Cloud: Careers focused on creating and managing websites and web applications, including front-end and back-end development and maintenance, as well as overseeing cloud services and infrastructure. This field merges software skills with user interface/user experience and cloud management expertise, ensuring website functionality, security, and cloud efficiency.	Cloud Computing Web & Digital Communications Web Development

Career Clusters
Pathways to College & Career Readiness

ADVANCE CTE
State Leaders Connecting Learning to Work


Education
Early Childhood Development • Education Administration & Leadership •
Learner Support & Community Engagement • Teaching, Training, & Facilitation
Caring for Communities
Middle School
High School
Community College
University
Education (Skills/ Knowledge)
Middle School Core + Electives
KPS High Schools + Career and Technical Education
CCC – Educator Academy
Early/Middle College
Elementary Education, Secondary Education
Skill-Based Credentials
American Sign Language; Coaching; Leadership and Teamwork; Speech, Language, and Hearing Sciences
Associate of Arts and Sciences
Early/Elementary Education, Physical Education
Bachelor of Arts
Education, Education and Human Development, Mathematics, Child Development and Services, Occupational Education Studies, Physical and Health Teacher Education: K-12, Early Childhood General and Special Education
EDP (K-12)
Dual Enrollment Choices
2+2 Transfer Programs
Work-Based Learning
Job Shadowing, Co-Ops, Internships, Apprenticeships, Summer Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Local Career Opportunities
Childcare Workers $28,550
Library Assistants, Clerical $29,190
Information and Record Clerks $43,780
Self–Enrichment Teachers $39,060
Teaching Assistants $30,050
Life, Physical, and Social Science Technicians $50,630
Postsecondary Teachers $69,740
Elementary School Teachers $62,530
Management Analysts $83,250
Social Scientists and Related Workers $69,100
Middle School Teachers $62,630
Child, Family, and School Social Workers $58,610
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PATHWAY 2 CAREERS

Education

Design Your Path to Your Promise — Here's How You Can Get There.

	English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
MIDDLE SCHOOL	English	6th Grade Math or Accelerated Math	6th Grade Science	Social Studies	Spanish for Beginners (Elective)	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
	English	7th Grade Math or Accelerated Math	7th Grade Science	Social Studies	Spanish Intermediate	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart/Future Teacher Ed. 1
	English	8th Grade Math or Algebra	Science/Robotics	Social Studies	Spanish 1	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart/Future Teacher Ed. 2

	English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
HIGH SCHOOL	English 9 / Honors English	Algebra 1 or Geometry	Environ. Science & Biology (CEB)	World History	Spanish / French	PE	Tech Smart	See career programs below.
	English 10 / Honors English	Geometry or Algebra II	Biology (DEE) or Chemistry or Physics	US History	Spanish / French	Health	College/Career Readiness	
	English 11 A or Honors or AP	Algebra II or Math Modeling	Chemistry, Physics or Earth Science	Gov or AP Gov	Spanish / French / (future Arabic)	Band, Orchestra, or Choir	Economics	
	College Eng. 12 or Honors Eng.	Statistics or Personal Finance	Geology, Astronomy, or APs	Social Studies Elective	Spanish / French / (future Arabic)	Fine Arts	Link Crew Leadership	

Grade	Possible Career-Connected Pathway Choices	
9	Future Michigan Educator	Band, Orchestra, or Choir
10-12	Link Crew Leadership	Sociology
10-12	Psychology	Parenting
11-12	Teacher Academy	AP Psychology

Dual Enrollment Courses

- Foundations of Education
- Early Literacy
- College Writing
- Teaching as a Profession
- Child Development
- Foundations of Inclusive Education in Elementary Ed Programs

Postsecondary Programs/Majors/Apprenticeships for Occupations in this Career Cluster

Certificates, Associate's Degrees, and Apprenticeships	Bachelor's and Advanced Degrees
• Early/Elementary Education, AA	• Education
• Physical Education, AA	• Child Dev. and Services
• Leadership and Teamwork Certificate	• Occupational Education Studies
• Speech, Language, and Hearing Sciences Certificate	• K-12 Physical and Health Teacher Education
	• Early Childhood General and Special Education

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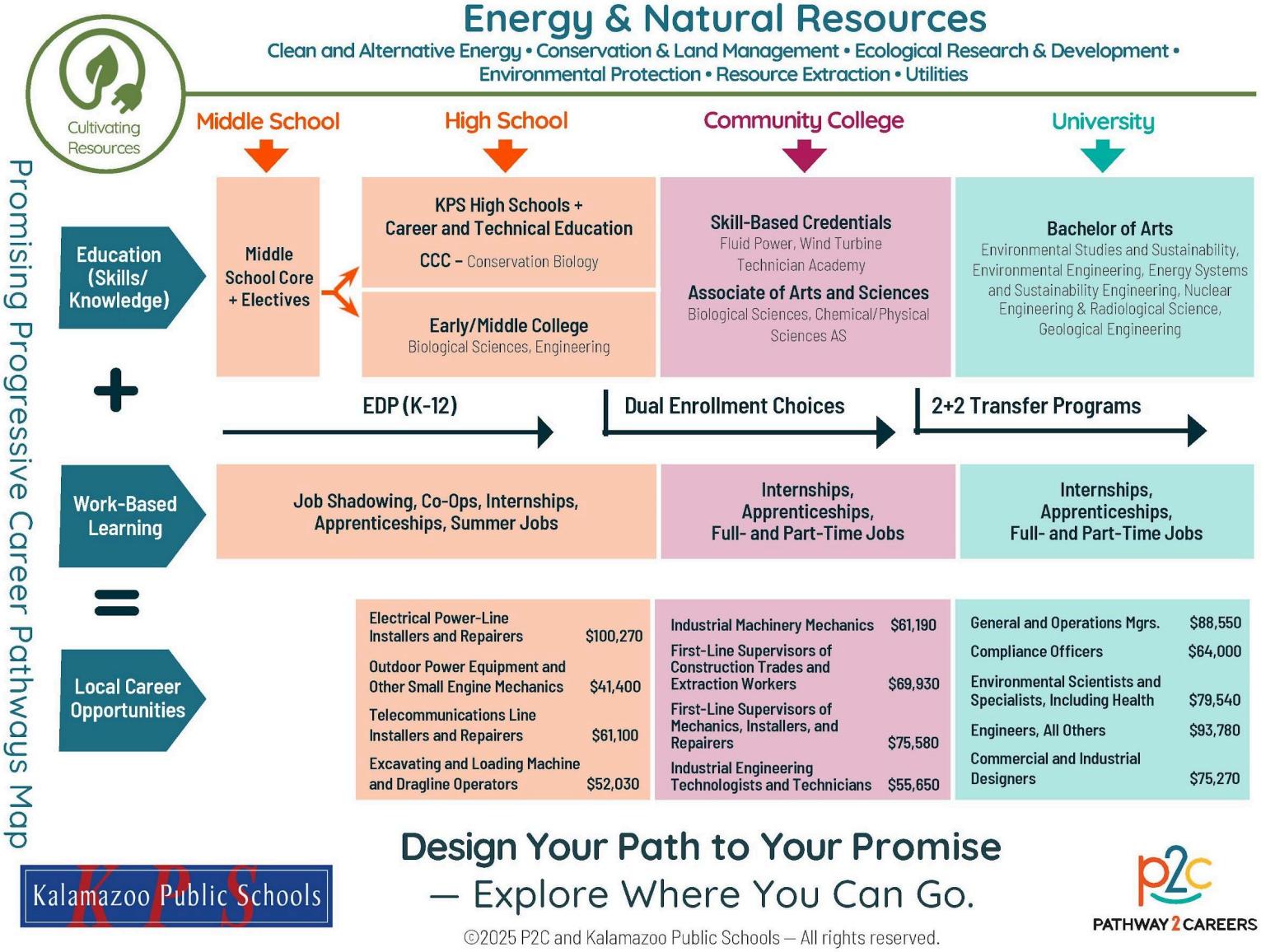
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P2C PATHWAY 2 CAREERS

Education: *Transforming Lives & Enriching Futures Through Lifelong Learning*	
Cluster Definition: The Education Career Cluster spans careers aimed at fostering learning from early childhood to adulthood, including teaching, instructional design, counseling services, community engagement, learner support, and educator training. This Cluster emphasizes quality education standards and lifelong learning, preparing individuals for success through all life stages by nurturing knowledge, skills, and critical thinking and encouraging personal and societal growth in a constantly evolving world.	
Sub-Clusters	**Example Programs of Study**
Early Childhood Development: Careers dedicated to nurturing the holistic growth of children from birth to 8 years old through education, care, and early intervention. Professionals in this field specialize in fostering physical, cognitive, emotional, and social development in early learners by applying proven and promising strategies for whole-child wellness.	Early Childhood Education Developmental Education
Education Administration & Leadership: Careers in managing and leading educational institutions, developing policies, curating and organizing knowledge, leading teams, and conducting research to improve education. This Subluster includes school and district administration, policy analysis, and research focused on optimizing school functions, implementing policies, and exploring ways to enhance learning. Professionals in this field work to ensure the effective operation of educational settings and promote continuous improvement through research and innovation.	Educational Leadership
Learner Support & Community Engagement: Careers focused on offering guidance and support to learners while building collaborative ties with families and communities. This field includes academic advising, library sciences, student health and wellness counseling, special education support, student life services in higher education, coaching, and career guidance within a school setting. This Sub-Cluster also includes community engagement practices that involve families, industry, and local resources for opportunities such as family support programs, work-based learning, and apprenticeships.	Professional Support Services Library Science
Teaching, Training & Facilitation: Careers encompassing teaching and instructional design roles across diverse educational levels, from kindergarten through Grade 12 (K-12) to adult learning. This field includes integrating educational technology and emerging teaching methods into curriculum development and delivery. Careers in this Sub-Cluster also involve providing professional development and training for educators while facilitating learning experiences, and they involve providing coaching for individuals and groups. This field promotes lifelong learning in various settings, including schools, colleges, corporate environments, and community organizations.	Principles of Teaching

Career Clusters
Pathways to College & Career Readiness

ADVANCE CTE
State Leaders Connecting Learning to Work


Energy & Natural Resources
Clean and Alternative Energy • Conservation & Land Management • Ecological Research & Development • Environmental Protection • Resource Extraction • Utilities
Cultivating Resources
Middle School
High School
Community College
University
Education (Skills/ Knowledge)
Middle School Core + Electives
KPS High Schools + Career and Technical Education
CCC – Conservation Biology
Early/Middle College
Biological Sciences, Engineering
Skill-Based Credentials
Fluid Power, Wind Turbine Technician Academy
Associate of Arts and Sciences
Biological Sciences, Chemical/Physical Sciences AS
Bachelor of Arts
Environmental Studies and Sustainability, Environmental Engineering, Energy Systems and Sustainability Engineering, Nuclear Engineering & Radiological Science, Geological Engineering
EDP (K-12)
Dual Enrollment Choices
2+2 Transfer Programs
Work-Based Learning
Job Shadowing, Co-Ops, Internships, Apprenticeships, Summer Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Local Career Opportunities
Electrical Power-Line Installers and Repairers $100,270
Outdoor Power Equipment and Other Small Engine Mechanics $41,400
Telecommunications Line Installers and Repairers $61,100
Excavating and Loading Machine and Dragline Operators $52,030
Industrial Machinery Mechanics $61,190
First-Line Supervisors of Construction Trades and Extraction Workers $69,930
First-Line Supervisors of Mechanics, Installers, and Repairers $75,580
Industrial Engineering Technologists and Technicians $55,650
General and Operations Mgrs. $88,550
Compliance Officers $64,000
Environmental Scientists and Specialists, Including Health $79,540
Engineers, All Others $93,780
Commercial and Industrial Designers $75,270
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PATHWAY 2 CAREERS

Energy & Natural Resources

Design Your Path to Your Promise — Here's How You Can Get There.

MIDDLE SCHOOL

English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
English	6th Grade Math or Accelerated Math	6th Grade Science	Social Studies	Spanish for Beginners (Elective)	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
English	7th Grade Math or Accelerated Math	7th Grade Science	Social Studies	Spanish Intermediate	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
English	8th Grade Math or Algebra	Science/Robotics	Social Studies	Spanish 1	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart

HIGH SCHOOL

English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
English 9 / Honors English	Algebra 1 or Geometry	Environ. Science & Biology (CEB)	World History	French	PE	Tech Smart	See career programs below.
English 10 / Honors English	Geometry or Algebra II	Biology (DEE) and Chemistry	US History	French	Health	College/Career Readiness	
English 11 A or Honors or AP	Algebra II or Statistics	Chemistry or Physics	Gov or AP Gov	French / (future Arabic)	Environmental Science	Economics	
College Eng. 12 or Honors Eng.	AP Statistics or AP Pre-Calculus	AP Chemistry	Social Studies Elective	French / (future Arabic)	Fine Arts	Chemistry Foundations	

Grade	Possible Career-Connected Pathway Choices	
9	Earth Science	Band, Orchestra, or Choir
10-12	Geology A&B	Chemistry Foundations
10-12	Environmental Science	Honors Chemistry - Organic
12	AP Physics	

Dual Enrollment Courses

- Organismal Biology
- Chemistry
- Basics of Mechanical Sciences
- Basics of Fluid Power
- Cellular Biology
- Calculus 1 & Analytic Geometry

Postsecondary Programs/Majors/Apprenticeships for Occupations in this Career Cluster

Certificates, Associate's Degrees, and Apprenticeships	Bachelor's and Advanced Degrees
• Biological Sciences, AS • Fluid Power, COA • Wind Turbine Technician Academy • Chemical/Physical Sciences, AS	• Environmental Studies and Sustainability • Environmental Engineering • Energy Systems and Sustainability Engineering • Nuclear Engineering & Radiological Science • Geological Engineering • Mining Engineering

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P2C PATHWAY 2 CAREERS

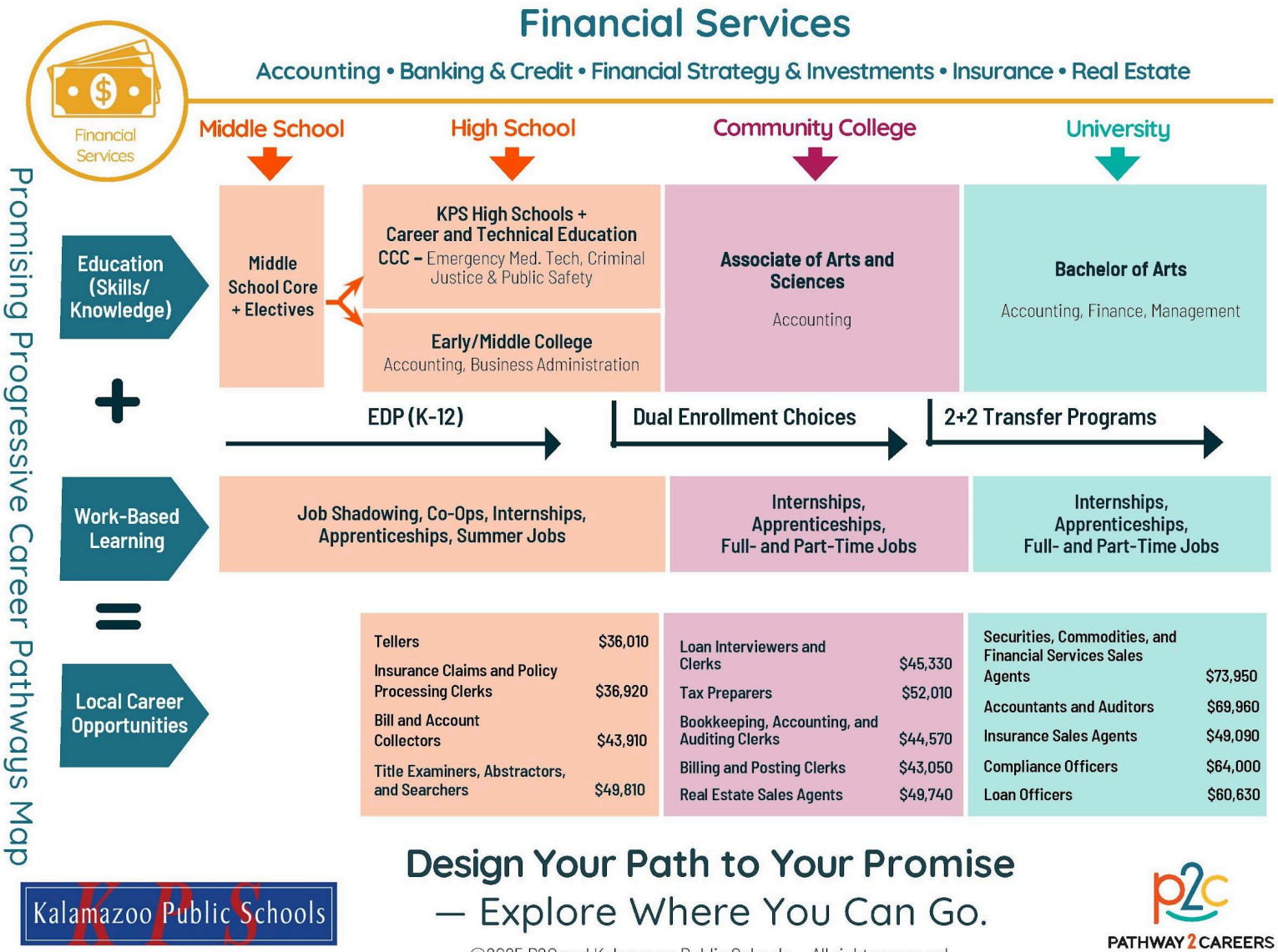
Energy & Natural Resources: *Powering Progress & Preserving Our Planet*

Cluster Definition: The Energy & Natural Resources Career Cluster spans careers in traditional and renewable fuel production, power generation and energy conversion, utilities, environmental preservation, ecological research, and resource extraction. These industries focus on efficient and responsible resource management, including conservation, transmission, distribution and storage, to minimize environmental impacts and meet global energy needs. Careers in this Cluster are dedicated to creating a sustainable future, innovating cleaner energy solutions, and preserving our planet's natural resources for generations to come.

Sub-Clusters	Example Programs of Study
Clean & Alternative Energy: Careers focused on energy generation and infrastructure development from clean energy sources such as low carbon fuels, natural gas, nuclear, biofuels, hydrogen processes, and other alternative sources aimed at addressing climate change impacts. Professionals in this field develop and implement technologies that harness natural elements including solar, nuclear, wind, and hydro power, while advancing efforts in electrification and energy storage solutions. This Sub-Cluster also includes recycling of batteries and waste, carbon capture, and other energy and mineral reuse and reclamation.	Renewable Energy Electric Vehicle Installation & Maintenance Solar System Design & Installation Wind Turbine Installation & Maintenance
Conservation & Land Management: Careers rooted in environmental and natural sciences, focusing on protecting and managing natural resources and landscapes. Professionals in this field operate local, state, and national parks; safeguard forests and waterways; maintain national lands and rangelands; and manage wildlife and marine life. This field merges ecological conservation with recreational spaces, aiming to preserve nature while enhancing community well-being and environmental stewardship through public accessibility.	GIS Mapping Natural Resource Conservation Wildlife Management
Ecological Research & Development: Careers emphasizing the scientific study of and research in ecological, geological, electrical, chemical, nuclear, biological, environmental engineering, and other sciences as they relate to energy production, sustainability, and the management of natural resources. Professionals in this field employ scientific methods to understand ecosystems, biodiversity, and the impacts of energy systems on the environment.	Environmental Engineering Environmental Management Environmental Science & Sustainability
Environmental Protection: Careers centered on regulating and managing the impacts of both natural processes and human activities, such as resource production and consumption. This Sub-Cluster involves developing and enforcing policies to protect all ecosystems, including space, air, land, and water, from natural disasters, pollution, and degradation. This field focuses on conserving natural habitats and biodiversity and applying scientific and engineering principles to solve environmental problems and improve climate resilience.	Climate Resilience Sustainable Communities
Resource Extraction: Careers focused on the efficient extraction of natural materials including fossil fuels, minerals, natural gas, and geothermal resources that are essential for fuel production in energy and manufacturing. This Sub-Cluster includes careers in exploration, drilling, mining, fracking, mineral processing, geoscience, quarrying, and petroleum engineering.	Clean Energy System Design Energy Transfer Mining Technology
Utilities: Careers involving the transmission and maintenance of utility systems for clean and alternative energy, electricity, water, waste remediation, and telecom/broadband; distribution and infrastructure development; and storage. Professionals in this field ensure reliable connectivity to energy sources, energy efficiency, and other essential services. Opportunities exist in public utilities, as well as commercial and industrial companies, with a focus on operations, maintenance, and security of systems to guarantee uninterrupted access to vital resources.	Telecommunications Water & Wastewater Systems Plant Operations Underground or Overhead Linework Utility Maintenance and Repair

Career Clusters
Pathways to College & Career Readiness

ADVANCE CTE
State Leaders Connecting Learning to Work


Financial Services
Accounting • Banking & Credit • Financial Strategy & Investments • Insurance • Real Estate
Financial Services
Middle School
High School
Community College
University
Education (Skills/ Knowledge)
Middle School Core + Electives
KPS High Schools + Career and Technical Education
CCC – Emergency Med. Tech, Criminal Justice & Public Safety
Early/Middle College
Accounting, Business Administration
Associate of Arts and Sciences
Accounting
Bachelor of Arts
Accounting, Finance, Management
EDP (K-12)
Dual Enrollment Choices
2+2 Transfer Programs
Work-Based Learning
Job Shadowing, Co-Ops, Internships, Apprenticeships, Summer Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Local Career Opportunities
Tellers $36,010
Insurance Claims and Policy Processing Clerks $36,920
Bill and Account Collectors $43,910
Title Examiners, Abstractors, and Searchers $49,810
Loan Interviewers and Clerks $45,330
Tax Preparers $52,010
Bookkeeping, Accounting, and Auditing Clerks $44,570
Billing and Posting Clerks $43,050
Real Estate Sales Agents $49,740
Securities, Commodities, and Financial Services Sales Agents $73,950
Accountants and Auditors $69,960
Insurance Sales Agents $49,090
Compliance Officers $64,000
Loan Officers $60,630
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PATHWAY 2 CAREERS

Financial Services

Design Your Path to Your Promise — Here's How You Can Get There.

	English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
MIDDLE SCHOOL	English	6th Grade Math or Accelerated Math	6th Grade Science	Social Studies	Spanish or Mandarin Chinese	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
	English	7th Grade Math or Accelerated Math	7th Grade Science	Social Studies	Spanish for Begin. (Elective)	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
	English	8th Grade Math or Algebra	Science/Robotics	Social Studies	Spanish Intermediate	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart

	English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
HIGH SCHOOL	English 9 / Honors English	Algebra 1 or Geometry	Environ. Science & Biology (CEB)	World History	French / Mandarin Chinese	PE	Tech Smart	See career programs below.
	English 10 / Honors English	Geometry or Algebra II	Biology (DEE) and Chemistry	US History	French / Mandarin Chinese	Health	College/Career Readiness	
	English 11 A or Honors or AP	Algebra II or Personal Finance	Physics	Gov or AP Gov	French / Mandarin Chinese	Band, Orchestra, or Choir	Economics	
	College Eng. 12 or Honors Eng.	Personal or Business Finance	Science Elective	Social Studies Elective	French / Mandarin Chinese	Fine Arts	Business Finance	

Grade	Possible Career-Connected Pathway Choices	
9	Young Entrepreneurs of the Future	Band, Orchestra, or Choir
10-12	Accounting A&B	Business Finance
11-12	Advanced Accounting	Business Information Systems A&B
12	Bus. Career and Professional Development Capstone	Advanced Business Information Systems

Dual Enrollment Courses

- Principles of Accounting 1
- Principles of Accounting 2
- Accounting with QuickBooks
- Intro to Corporate Accounting
- Business Principles/Practices
- Basic Excel

Postsecondary Programs/Majors/Apprenticeships for Occupations in this Career Cluster

Certificates, Associate's Degrees, and Apprenticeships	Bachelor's and Advanced Degrees
• Accounting, AAS • Business Administration, AAS • Administrative Support Certificate • Supervisory Leadership Certificate	• Accounting • Finance • Personal Financial Planning • Management • Economics

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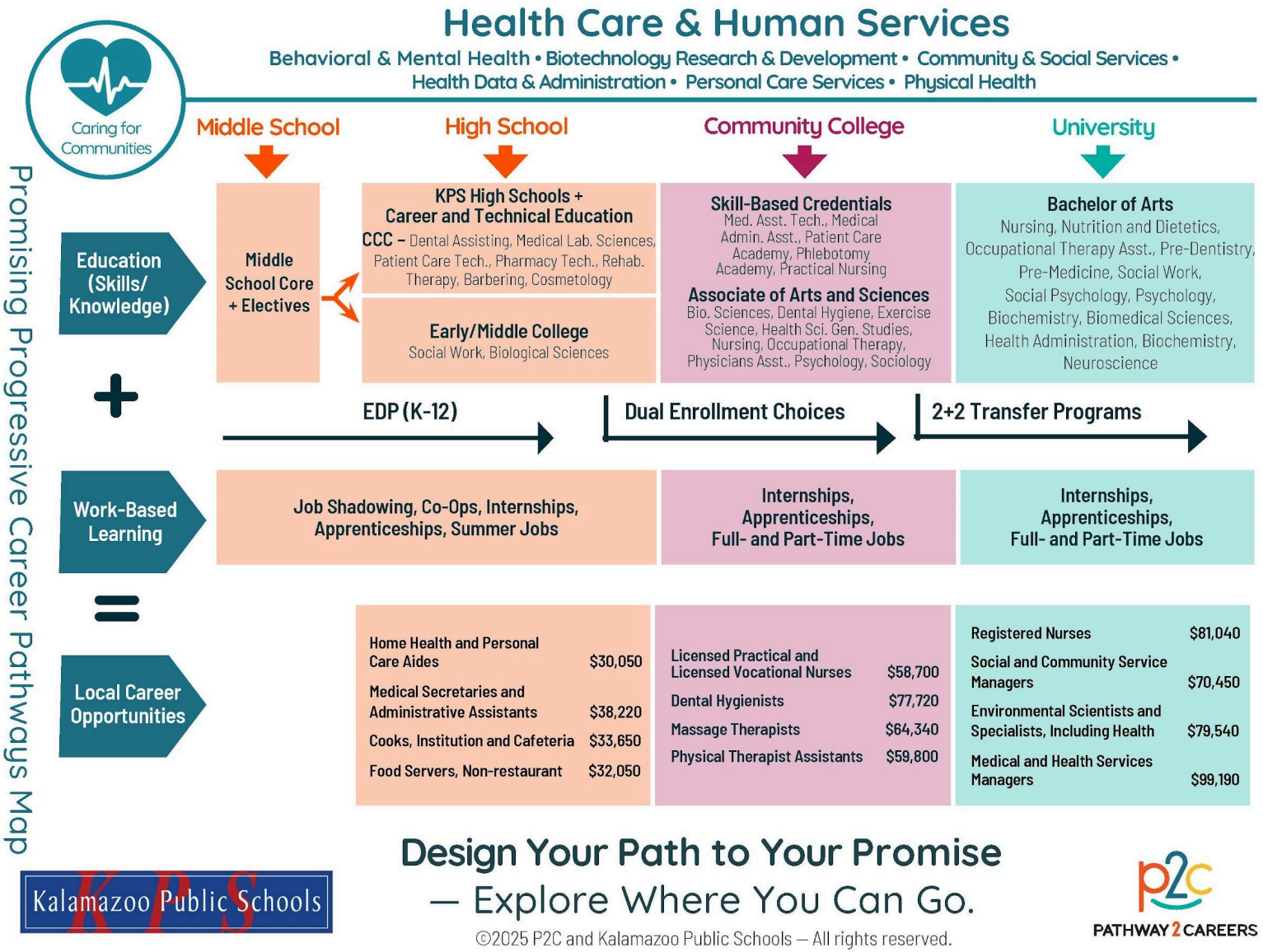
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P2C PATHWAY 2 CAREERS

Financial Services: *Empowering Financial Resilience*	
Cluster Definition: The Financial Services Career Cluster encompasses careers in managing and advising financial transactions, including banking, lending, corporate finance, debt management, accounting, insurance, and real estate. These careers contribute to economic stability and growth by supporting the financial health of individuals and organizations.	
Sub-Clusters	**Example Programs of Study**
Accounting: Careers focused on managing financial records for individuals and businesses and advising on individual and family financial planning and debt management. This field includes accountants, who ensure financial accuracy and compliance, and personal finance advisors, who guide individuals in savings, investments, and retirement planning. This Sub-Cluster also includes financial auditors and forensic accountants, who play a crucial role in this field by ensuring the integrity and reliability of financial information through comprehensive audits and assessments.	Accounting Business Finance Economics
Banking & Credit: Careers centered on money management, loans, microlending, and commercial and consumer credit across banks, credit unions, mortgage brokers, and finance companies. Professionals in this field have expertise in evaluating creditworthiness, managing loans, providing financial solutions to facilitate access to capital for individuals and businesses, and ensuring compliance with financial regulations.	Banking Credit
Financial Strategy & Investments: Careers involved in managing a company's capital structure and corporate financial strategies, operations, and investments, including venture capital and private equity. This field also includes careers focused on the acquisition of investment offerings such as stocks, bonds, fixed-income products, pension plans, emerging digital assets, and other resources aimed at income generation or asset appreciation. The Sub-Cluster encompasses tactics for small business fundraising and financing via microlending and operational scaling and for devising exit strategies to evolve startups into sustainable enterprises. Professionals in this field ensure that financial practices and transactions adhere to legal and ethical standards.	Business Administration Securities & Investments
Insurance: Careers rooted in assessing risk; providing financial protection against loss; and offering products including life, health, and property insurance. Professionals in this field hold expertise in analysis and the ability to evaluate risk factors, investigate and process claims, create risk management strategies, and ensure compliance with industry regulations. This field uses applied mathematics and statistics to predict future events and design viable insurance policies.	Insurance Operations
Real Estate: Careers focused on the buying, selling, leasing, and management of residential, commercial, and industrial properties. Professionals in this field navigate the complex landscape of licensing, fair housing, zoning, environmental regulations, health, safety, and financial laws to facilitate legal and ethical property transactions.	Real Estate

Career Clusters
Pathways to College & Career Readiness

ADVANCE CTE
State Leaders Connecting Learning to Work


Promising Progressive Career Pathways Map
Health Care & Human Services
Behavioral & Mental Health • Biotechnology Research & Development • Community & Social Services • Health Data & Administration • Personal Care Services • Physical Health
Caring for Communities
Middle School
High School
Community College
University
Education (Skills/ Knowledge)
Middle School Core + Electives
KPS High Schools + Career and Technical Education
CCC – Dental Assisting, Medical Lab. Sciences, Patient Care Tech., Pharmacy Tech., Rehab. Therapy, Barbering, Cosmetology
Early/Middle College
Social Work, Biological Sciences
Skill-Based Credentials
Med. Asst. Tech., Medical Admin. Asst., Patient Care Academy, Phlebotomy Academy, Practical Nursing
Associate of Arts and Sciences
Bio. Sciences, Dental Hygiene, Exercise Science, Health Sci. Gen. Studies, Nursing, Occupational Therapy, Physicians Asst., Psychology, Sociology
Bachelor of Arts
Nursing, Nutrition and Dietetics, Occupational Therapy Asst., Pre-Dentistry, Pre-Medicine, Social Work, Social Psychology, Psychology, Biochemistry, Biomedical Sciences, Health Administration, Biochemistry, Neuroscience
EDP (K-12)
Dual Enrollment Choices
2+2 Transfer Programs
Work-Based Learning
Job Shadowing, Co-Ops, Internships, Apprenticeships, Summer Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Local Career Opportunities
Home Health and Personal Care Aides $30,050
Medical Secretaries and Administrative Assistants $38,220
Cooks, Institution and Cafeteria $33,650
Food Servers, Non-restaurant $32,050
Licensed Practical and Licensed Vocational Nurses $58,700
Dental Hygienists $77,720
Massage Therapists $64,340
Physical Therapist Assistants $59,800
Registered Nurses $81,040
Social and Community Service Managers $70,450
Environmental Scientists and Specialists, Including Health $79,540
Medical and Health Services Managers $99,190
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PATHWAY 2 CAREERS

Health Care & Human Services

Design Your Path to Your Promise — Here's How You Can Get There.

	English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
MIDDLE SCHOOL	English	6th Grade Math or Accelerated Math	6th Grade Science	Social Studies	Spanish for Beginners (Elective)	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
	English	7th Grade Math or Accelerated Math	7th Grade Science	Social Studies	Spanish Intermediate	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
	English	8th Grade Math or Algebra	Science/Robotics	Social Studies	Spanish 1	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart

	English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
HIGH SCHOOL	English 9 / Honors English	Algebra 1 or Geometry	Environ. Science & Biology (CEB)	World History	Spanish / French	PE	Tech Smart	Band, Orchestra, or Choir and other career programs below.
	English 10 / Honors English	Geometry or Algebra II	Biology (DEE) and Chemistry	US History	Spanish / French	Health	College/Career Readiness	
	English 11 A or Honors or AP	Algebra II or Statistics	Chemistry or Physics	Gov or AP Gov	Spanish / French / (future Arabic)	Illustration	Economics	
	College Eng. 12 or Honors Eng.	Math Modelling and Statistics	AP Biology or AP Chemistry	Social Studies Elective	Spanish / French / (future Arabic)	Fine Arts	Fundamentals of Health Science	

Grade	Possible Career-Connected Pathway Choices	
9	Drawing	Anatomy and Physiology A&B
10-12	Fundamentals of Health Science	Medical Laboratory Sciences
11-12	Dental Assistant	Cosmetology/Barbering
12	Certified Nurse Assistant	Health Science

Dual Enrollment Courses

- Human Anatomy & Physiology I
- Micro & Infectious Disease
- Interpersonal Comm.
- College Writing I
- Medical Admin Procedures
- Fundamentals of Biology
- Introduction to Social Work

Postsecondary Programs/Majors/Apprenticeships for Occupations in this Career Cluster

Certificates, Associate's Degrees, and Apprenticeships	Bachelor's and Advanced Degrees
• Medical Admin. Asst. Cert. • Practical Nursing Cert. • Medical Assistant Technology, AAS or Cert. • Social Work, AA • Respiratory Care Pract., AAS • Physicians Assistant, AS • Physical Therapy, AS	• Nursing • Nutrition and Dietetics • Occupational Therapy Asst. • Pre-Dentistry • Pre-Medicine • Social Work • Social Psychology • Psychology

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P2C PATHWAY 2 CAREERS

Healthcare & Human Services: *Supporting the Whole Health of Individuals, Families, & Communities*

Cluster Definition: The Healthcare & Human Services Career Cluster promotes whole health in individuals and communities through a diverse array of services. This sector includes technical, mental, and therapeutic services and personal care, supported by medical and social sciences. By addressing social determinants of health and leveraging health data and science, this Cluster aims to enhance the overall health and resilience of individuals, families, and communities.

Sub-Clusters	Example Programs of Study
Behavioral & Mental Health: Careers dedicated to mental and emotional well-being, including counseling, psychology, and psychiatric services aimed at supporting individuals through mental health challenges and promoting psychological health. Professionals in this field play a critical role in diagnosing and treating mental health disorders, providing therapy, developing strategies to improve overall mental wellness, and advocating for mental health awareness and policy changes.	Counseling & Mental Health Services
Biotechnology Research & Development: Careers focused on research and development in the medical field, including biotechnology, and scientific research. Professionals in this field develop new treatments, pharmaceuticals, devices, and innovative medical technologies to advance healthcare.	Biomedical Science Biotechnology Research & Development
Community & Social Services: Careers that address the societal and environmental factors affecting health such as access to healthy foods, income and poverty, adequate child care, and access to education. This field includes work in public services, social work and case management, or nonprofit sectors with missions to address social inequalities and provide support services for all age ranges. This Sub-Cluster also includes clergy and spiritual support roles, which provide emotional and spiritual guidance to individuals and communities.	Community Health Human Services Social Work
Health Data & Administration: Careers centered on the management, analysis, and administration of health information and data. This Sub-Cluster encompasses fields such as health informatics, medical records, and healthcare administration. Professionals in this field are dedicated to enhancing healthcare delivery through effective technology and data management.	Health Informatics Medical Assisting Medical Record Keeping
Personal Care Services: Careers that encompass in-home and personal care support and offer esthetics and wellness services such as hairdressing, nail care, skincare, fitness, and massage therapy. Professionals in this field focus on enhancing personal appearance and promoting relaxation and well-being while remaining grounded in a thorough understanding of health and safety practices.	Barbering Cosmetology Massage & Spa Services
Physical Health: Careers in healthcare that directly affect the physical well-being of individuals by providing medical care, conducting diagnostics, offering therapeutic services, administering pharmaceuticals, and supporting nutrition and dental health. This Sub-Cluster encompasses healthcare from prebirth to death, addressing all stages from pediatrics to geriatrics and mortuary sciences. It also includes careers that offer alternative and complementary health services such as homeopathy, acupuncture, and others that focus on the holistic well-being of individuals.	Allied Health Nursing Pharmacy Tech Physical Therapy Radiology Sports Medicine

Career Clusters
Pathways to College & Career Readiness

ADVANCE CTE
State Leaders Connecting Learning to Work


Hospitality, Events, & Tourism
Accommodation • Conference & Events • Culinary & Food Services • Travel & Leisure
Creating and Experiencing
Middle School
High School
Community College
University
Promising Progressive Career Pathways Map
Education (Skills/ Knowledge)
Middle School Core + Electives
KPS High Schools + Career and Technical Education
CCC – Culinary Arts
Early/Middle College
Culinary Arts & Sustainable Food Systems, Dietary Manager
Skill-Based Credentials
Baking & Pastries, Culinary Arts & Sustainable Food Systems, Dietary Manager, Sustainable Brewing
Assoc. Arts and Sciences
Culinary Arts & Sustain. Food Systems, Sustain. Brewing
Bachelor of Arts
Nutrition & Dietetics, Event Management, Recreation Management, Sports Management, Sustainable Brewing, Food Marketing, Tourism & Travel
EDP (K-12)
Dual Enrollment Choices
2+2 Transfer Programs
Work-Based Learning
Job Shadowing, Co-Ops, Internships, Apprenticeships, Summer Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Local Career Opportunities
First-Line Supervisors of Food Prep. and Serving Workers $36,510
Food Service Managers $57,420
Waiters and Waitresses $33,860
Cooks $34,260
Bartenders $29,660
Travel Agents $45,160
Chefs and Head Cooks $49,800
Tour and Travel Guides $25,780
Travel Agents $45,160
Janitors and Cleaners, Except Maids and Housekeeping Cleaners $33,840
Recreation Workers $31,200
Lodging Managers $64,860
Meeting, Convention, and Event Planners $48,620
Fundraising Managers $97,190
Fundraisers $57,980
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PATHWAY 2 CAREERS

Hospitality, Events, & Tourism

Design Your Path to Your Promise — Here's How You Can Get There.

MIDDLE SCHOOL

English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
English	6th Grade Math or Accelerated Math	6th Grade Science	Social Studies	Spanish for Beginners (Elective)	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
English	7th Grade Math or Accelerated Math	7th Grade Science	Social Studies	Spanish Intermediate	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
English	8th Grade Math or Algebra	Science/Robotics	Social Studies	Spanish 1	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart

HIGH SCHOOL

English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
English 9 / Honors English	Algebra 1 or Geometry	Environ. Science & Biology (CEB)	World History	French / Spanish	PE	Tech Smart	Band, Orchestra, or Choir and other career programs below.
English 10 / Honors English	Geometry or Algebra II	Biology (DEE) & Chemistry	US History	French / Spanish	Health	College/Career Readiness	
English 11 A or Honors or AP	Algebra II or Personal Finance	Physics	Gov or AP Gov	French / Spanish	Food and Nutrition	Economics	
College Eng. 12 or Honors Eng.	Personal and Business Finance	Science Elective	Social Studies Elective	French / Spanish	Fine Arts	Business Finance	

Grade	Possible Career-Connected Pathway Choices	
9	Young Entrepreneurs of the Future	
10-12	Food and Nutrition	Marketing, Entrepreneurship, and Career Plan
11-12	Culinary Arts	Health Science
11-12	Business Finance	Sports & Entertainment Marketing

Dual Enrollment Courses

- Intro Sustainable Food Systems
- Food Safety Essentials
- Introduction to Food Service
- Culinary and Food Industry Math
- The Science of Food
- Nutritional Cooking
- Introduction to Brewing

Postsecondary Programs/Majors/Apprenticeships for Occupations in this Career Cluster

Certificates, Associate's Degrees, and Apprenticeships	Bachelor's and Advanced Degrees
• Baking & Pastries Cert. • Culinary Arts & Sustainable Food Systems, AAS or Cert. • Dietary Manager, COA • Sustainable Brewing Cert.	• Nutrition & Dietetics • Event Management • Recreation Management • Sports Management • Sustainable Brewing • Food Marketing • Tourism & Travel

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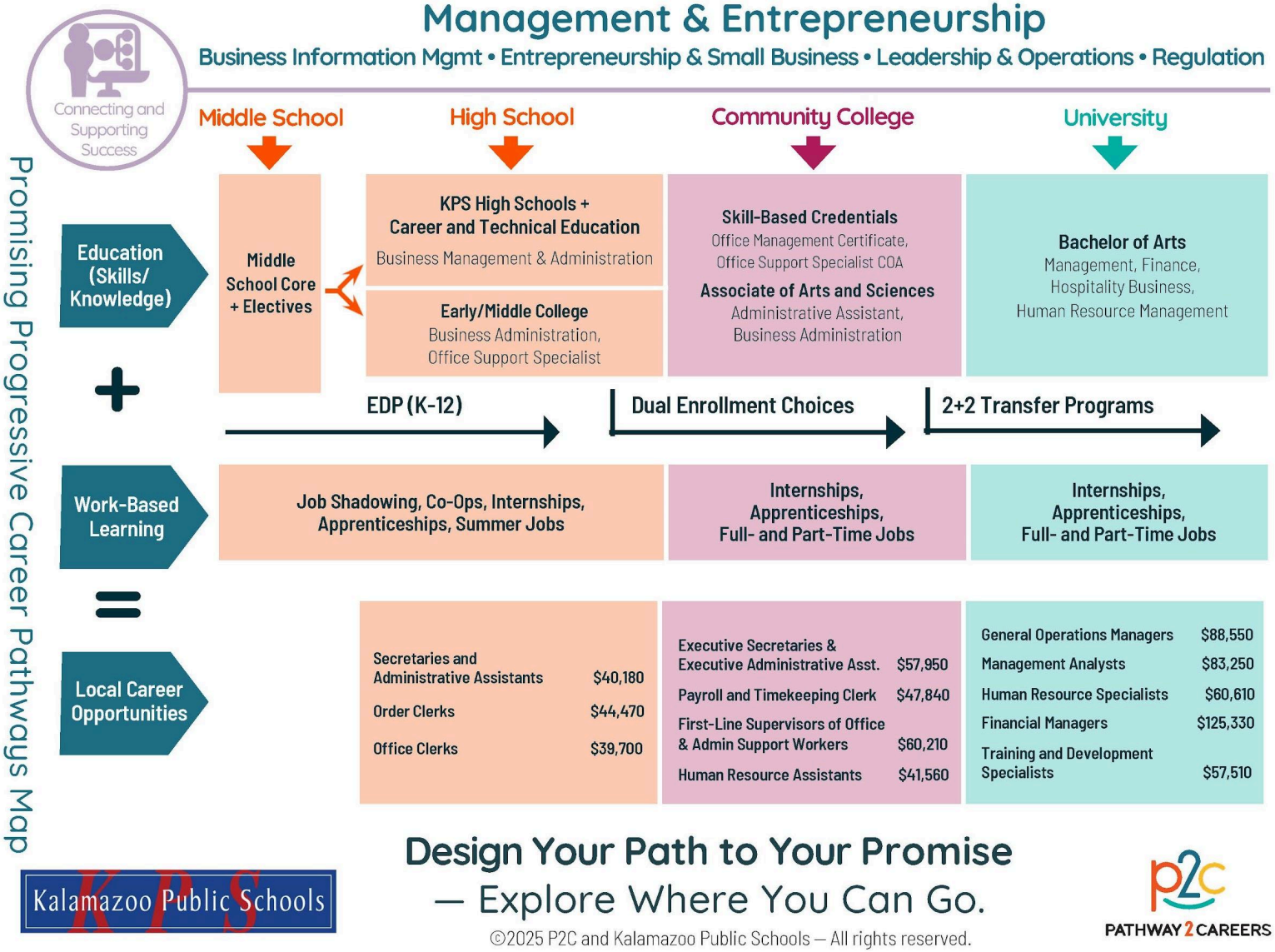
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P2C PATHWAY 2 CAREERS

Hospitality, Events & Tourism: *Unlocking Adventures & Elevating Experiences*	
Cluster Definition: The Hospitality, Events, & Tourism Career Cluster encompasses a broad range of services and experiences related to food and beverage, lodging, travel, events, and conferences. This Cluster focuses on delivering quality customer service, memorable experiences, and seamless logistics to cater to the needs and preferences of guests, tourists, and event participants. The Cluster is characterized by its diversity, including everything from luxury hotels and international travel to local dining, cultural events, and business conferences, aiming to enhance the overall experience of visitors and attendees.	
Sub-Clusters	**Example Programs of Study**
Accommodations: Careers that support, operate, and manage businesses and services related to temporary lodging, including hotels, motels, resorts, short-term rentals, and bed-and-breakfast establishments, focusing on providing guests with a comfortable and safe stay. Through advanced technology, hotel and resort management leverages sophisticated property management systems, online booking platforms, mobile-friendly services, and personalized guest experiences.	Hospitality Management Hotel & Resort Management
Conferences & Events: Careers encompassing the planning, coordination, and execution of various events and conferences. This Sub-Cluster involves organizing conventions; trade shows; and corporate, political, and personal events generating positive economic impact to communities. This field includes logistics, venue management, vendor coordination, budgeting, attendee management, marketing, and risk management. Professionals in this field require strong organizational, creative, and interpersonal skills to ensure the success of events and provide a positive experience for participants.	Conference Planning Event Management
Culinary & Food Services: Careers dedicated to the service, operation, and management of establishments involved in the preparation and serving of food and drinks with significant emphasis on providing exceptional culinary experiences and delivering high-quality customer service. These establishments vary widely, encompassing independently owned restaurants, nationwide restaurant chains, noncommercial dining facilities, bakeries, and catering services. Professionals in this Sub-Cluster span all aspects and levels of food preparation, including beverage specializations, as well as restaurant management, operations support, and health and safety.	Culinary Services Nutrition Pastry Arts Restaurant Management
Travel & Leisure: Careers focused on facilitating enjoyable travel, entertainment, and recreational activities. This Sub-Cluster includes travel services provided by agencies, ecotourism, agritourism, and cultural tourism, as well as entertainment at attractions including theme parks and museums. This field also involves the organization of sports events, maintenance of outdoor recreation venues and field management, and ethical management of gaming and betting operations.	Outdoor Recreation Tourism Management

Career Clusters
Pathways to College & Career Readiness

ADVANCE CTE
State Leaders Connecting Learning to Work


Promising Progressive Career Pathways Map
Management & Entrepreneurship
Business Information Mgmt • Entrepreneurship & Small Business • Leadership & Operations • Regulation
Connecting and Supporting Success
Middle School
High School
Community College
University
Education (Skills/ Knowledge)
Middle School Core + Electives
KPS High Schools + Career and Technical Education
Business Management & Administration
Early/Middle College
Business Administration, Office Support Specialist
Skill-Based Credentials
Office Management Certificate, Office Support Specialist COA
Associate of Arts and Sciences
Administrative Assistant, Business Administration
Bachelor of Arts
Management, Finance, Hospitality Business, Human Resource Management
EDP (K-12)
Dual Enrollment Choices
2+2 Transfer Programs
Work-Based Learning
Job Shadowing, Co-Ops, Internships, Apprenticeships, Summer Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Local Career Opportunities
Secretaries and Administrative Assistants $40,180
Order Clerks $44,470
Office Clerks $39,700
Executive Secretaries & Executive Administrative Asst. $57,950
Payroll and Timekeeping Clerk $47,840
First-Line Supervisors of Office & Admin Support Workers $60,210
Human Resource Assistants $41,560
General Operations Managers $88,550
Management Analysts $83,250
Human Resource Specialists $60,610
Financial Managers $125,330
Training and Development Specialists $57,510
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P2C PATHWAY 2 CAREERS



Management & Entrepreneurship

Design Your Path to Your Promise — Here's How You Can Get There.

MIDDLE SCHOOL

English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
English	6th Grade Math or Accelerated Math	6th Grade Science	Social Studies	Spanish / Mandarin	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
English	7th Grade Math or Accelerated Math	7th Grade Science	Social Studies	Spanish for Beginners	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
English	8th Grade Math or Algebra	Science/Robotics	Social Studies	Spanish 1	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart

HIGH SCHOOL

English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
English 9 / Honors English	Algebra 1	Environ. Science & Biology (DEE)	World History	Spanish / Mandarin	PE	Tech Smart	Band, Orchestra, or Choir or other career programs below.
English 10 / Honors English	Geometry or Algebra II	Biology (CEB) & Chemistry	US History	Spanish / Mandarin	Health	College/Career Readiness	
English 11 A or Honors or AP	Algebra II & Stats or AP Stats	Physics	Gov or AP Gov	Spanish / Mandarin	AP Art Studio	Economics	
College Eng. 12 or Honors Eng.	Business Finance and Marketing	Science Elective	Social Studies Elective	Spanish / Mandarin	Fine Arts or AP Art Studio	Business Academy	

Grade	Possible Career-Connected Pathway Choices	
9	Young Entrepreneurs of the Future	
10-12	Marketing, Entrepreneur. & Career Planning	Business Information Systems A & B
10-12	Business Academy	Link Crew Leadership
12	Business Career and Prof. Dev. Capstone Experience	Sports and Entertainment Management

Dual Enrollment Courses

- Personal Financial Literacy
- Marketing, Entrepreneurship, and Career Planning
- Business Law
- International Business
- Business Principles/Practices
- Principles of Economics

Postsecondary Programs/Majors/Apprenticeships for Occupations in this Career Cluster

Certificates and Associate's Degrees	Bachelor's and Advanced Degrees
• Business Administration, AA & AAS • Supervisory Leadership Certificate • Office Support Specialist Certificate	• Business Administration • Entrepreneurship & Small Business • International Business/Trade/Commerce • Human Resource Management

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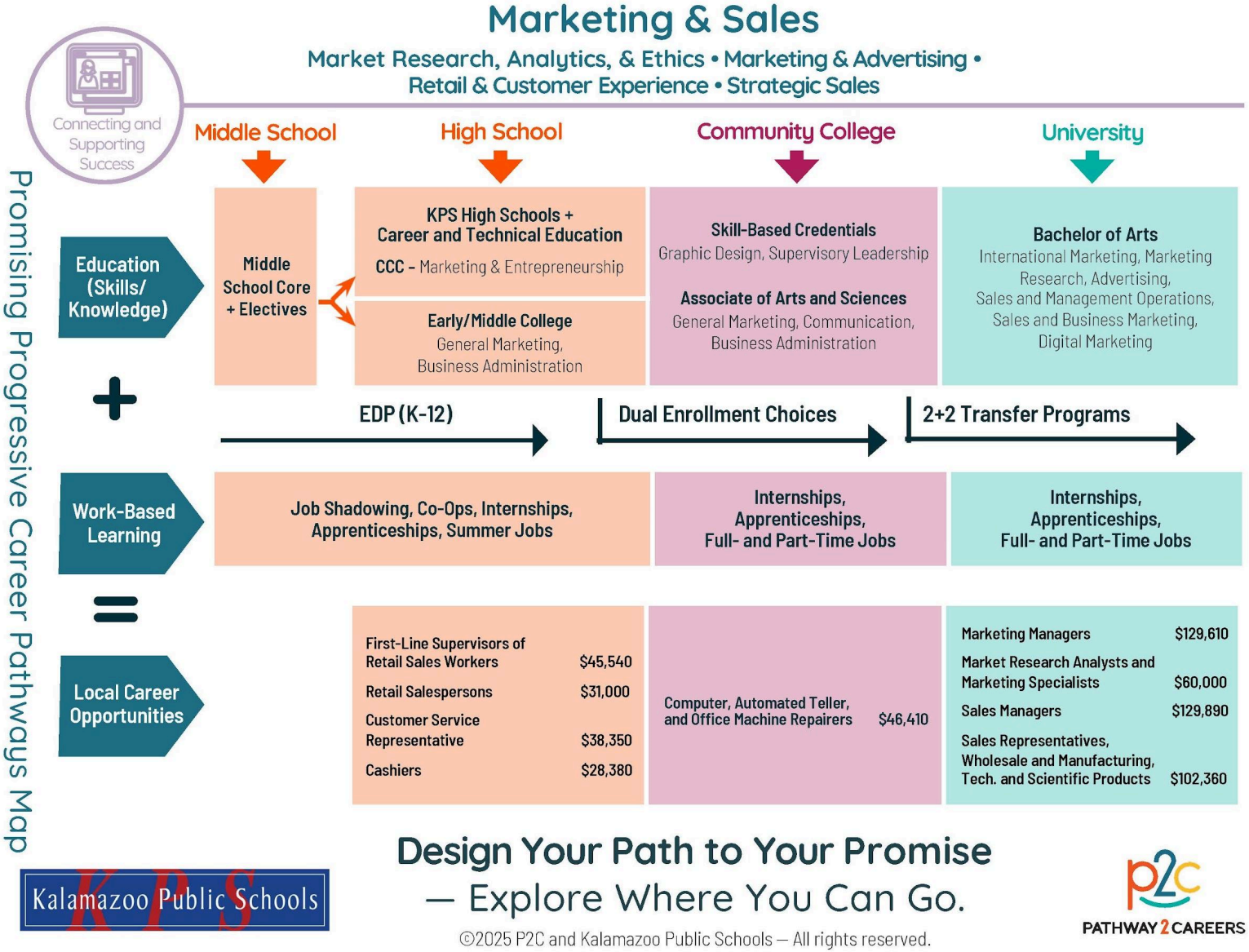
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P2C PATHWAY 2 CAREERS

Cross-Cutting Cluster | Management & Entrepreneurship: *Driving Business Success Across All Industries*	
Cluster Definition: The Management & Entrepreneurship Career Cluster involves skills and occupations that are essential across all industries, focusing on business administration, operations optimization, strategic planning, workforce management, and entrepreneurship. It merges key areas such as data management and analysis, human resources, general operations, administrative support, project management, and organizational leadership. This Cluster ensures that businesses across all industries efficiently meet their goals, adapt to market changes, and maintain competitive advantage. By emphasizing entrepreneurship, this Cluster supports the creation of new ventures, driving economic growth and innovation and making it a cornerstone of modern economies.	
Sub-Clusters	**Example Programs of Study**
Business Information Management: Careers centered around using technology to collect information that supports and enhances business operations. Professionals in this field gather, analyze, and interpret data to distill and recognize patterns, informing decisionmaking and optimizing performance. By integrating advanced technologies, professionals in this field streamline processes, improve operational efficiency, support strategic planning, and drive business growth in an increasingly global and information-centric environment.	Business Technology Applications
Entrepreneurship & Small Business: Careers focused on initiating and managing businesses, including startups, small businesses, gig economy work, and social enterprises. This field includes identifying opportunities, developing strategies, and securing financing, all with an emphasis on fostering innovation. Entrepreneurship and small businesses significantly affect all industry sectors by supporting employment and fostering innovation.	Entrepreneurship
Leadership & Operations: Careers involving the leadership of business activities, including strategic planning; resource forecasting and allocation; engaging with boards, shareholders, and other constituents; administrative support; and management consulting. This field also involves human resources management, recruitment, and employee development, fostering a positive work environment while optimizing processes and leading growth initiatives.	Business Essentials Business Management Human Resources Management
Project Management: Careers focused on planning, leading, initiating, executing, controlling, and closing out projects to achieve specific goals within a set timeline and budget. This field is essential in all industries as it ensures that projects are completed efficiently and effectively, aligning resources and efforts with strategic business objectives.	Principles of Management
Regulation: Careers dedicated to corporate responsibility, ensuring that all industries adhere to health, safety, financial, and environmental regulations. Professionals in this field develop and enforce policies, conduct inspections and audits, and implement measures to protect worker safety, public health, and the environment. This Sub-Cluster plays a crucial role in maintaining compliance and accountability across various sectors.	Business Law

Career Clusters
Pathways to College & Career Readiness

ADVANCE CTE
State Leaders Connecting Learning to Work


Marketing & Sales
Market Research, Analytics, & Ethics • Marketing & Advertising •
Retail & Customer Experience • Strategic Sales
Connecting and Supporting Success
Middle School
High School
Community College
University
Education (Skills/ Knowledge)
Middle School Core + Electives
KPS High Schools + Career and Technical Education
CCC – Marketing & Entrepreneurship
Early/Middle College
General Marketing, Business Administration
Skill-Based Credentials
Graphic Design, Supervisory Leadership
Associate of Arts and Sciences
General Marketing, Communication, Business Administration
Bachelor of Arts
International Marketing, Marketing Research, Advertising, Sales and Management Operations, Sales and Business Marketing, Digital Marketing
EDP (K-12)
Dual Enrollment Choices
2+2 Transfer Programs
Work-Based Learning
Job Shadowing, Co-Ops, Internships, Apprenticeships, Summer Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Local Career Opportunities
First-Line Supervisors of Retail Sales Workers $45,540
Retail Salespersons $31,000
Customer Service Representative $38,350
Cashiers $28,380
Computer, Automated Teller, and Office Machine Repairers $46,410
Marketing Managers $129,610
Market Research Analysts and Marketing Specialists $60,000
Sales Managers $129,890
Sales Representatives, Wholesale and Manufacturing, Tech. and Scientific Products $102,360
Promising Progressive Career Pathways Map
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PATHWAY 2 CAREERS

Marketing & Sales

Design Your Path to Your Promise — Here's How You Can Get There.

MIDDLE SCHOOL

English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
English	6th Grade Math or Accelerated Math	6th Grade Science	Social Studies	Spanish for Beginners (Elective)	Physical Ed./ 6th Gr. Art Studio	Life Skills	Tech Smart/Band Orchestra, or Choir
English	7th Grade Math or Accelerated Math	7th Grade Science	Social Studies	Spanish Intermediate	Physical Ed./ 7th Gr. Art Studio	Life Skills	Tech Smart/Band Orchestra, or Choir
English	8th Grade Math or Algebra	Science/Robotics	Social Studies	Mandarin	Physical Ed./ 6th Gr. Art Studio	Life Skills	Tech Smart/ Art Foundations

HIGH SCHOOL

English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
English 9 / Honors English	Algebra 1 or Geometry	Environ. Science & Biology (CEB)	World History	Spanish / French / Mandarin	PE	Tech Smart	Band, Orchestra, or Choir or other career programs below.
English 10 / Honors English	Geometry or Algebra II	Biology (CEB) and Chemistry	US History	Spanish / French / Mandarin	Health	College/Career Readiness	
English 11 A or Honors or AP	Algebra II or Stats or AP Stats	Physics	Gov or AP Gov	Spanish / French / Mandarin	Link Crew Lead. Marketing	Economics	
College Eng. 12 or Honors Eng.	Business Finance and Marketing	Science Elective	Social Studies Elective	Spanish / French / Mandarin	Fine Arts	Business Academy	

Grade	Possible Career-Connected Pathway Choices	
9	Creative Writing	Basic Marketing
10-12	Marketing, Entrepreneurship, & Advanced Career Planning	Advanced Marketing
10-12	Link Crew Leadership Marketing	Business Academy
11-12	International Business	School Store: Maroon Shop

Dual Enrollment Courses

- Business Principles/Practices
- Principles of Marketing
- Math for Business & Industry
- Business Computer Applications
- Business Writing Skills
- College Writing I
- Public Speaking

Postsecondary Programs/Majors/Apprenticeships for Occupations in this Career Cluster

Certificates, Associate's Degrees, and Apprenticeships	Bachelor's and Advanced Degrees
• General Marketing, AAS • Communication, AA • Business Administration, AAS or AA • Graphic Design Cert. • Supervisory Leadership Cert.	• International Marketing • Marketing Research • Advertising • Sales and Management Operations • Sales and Business Marketing • Digital Marketing

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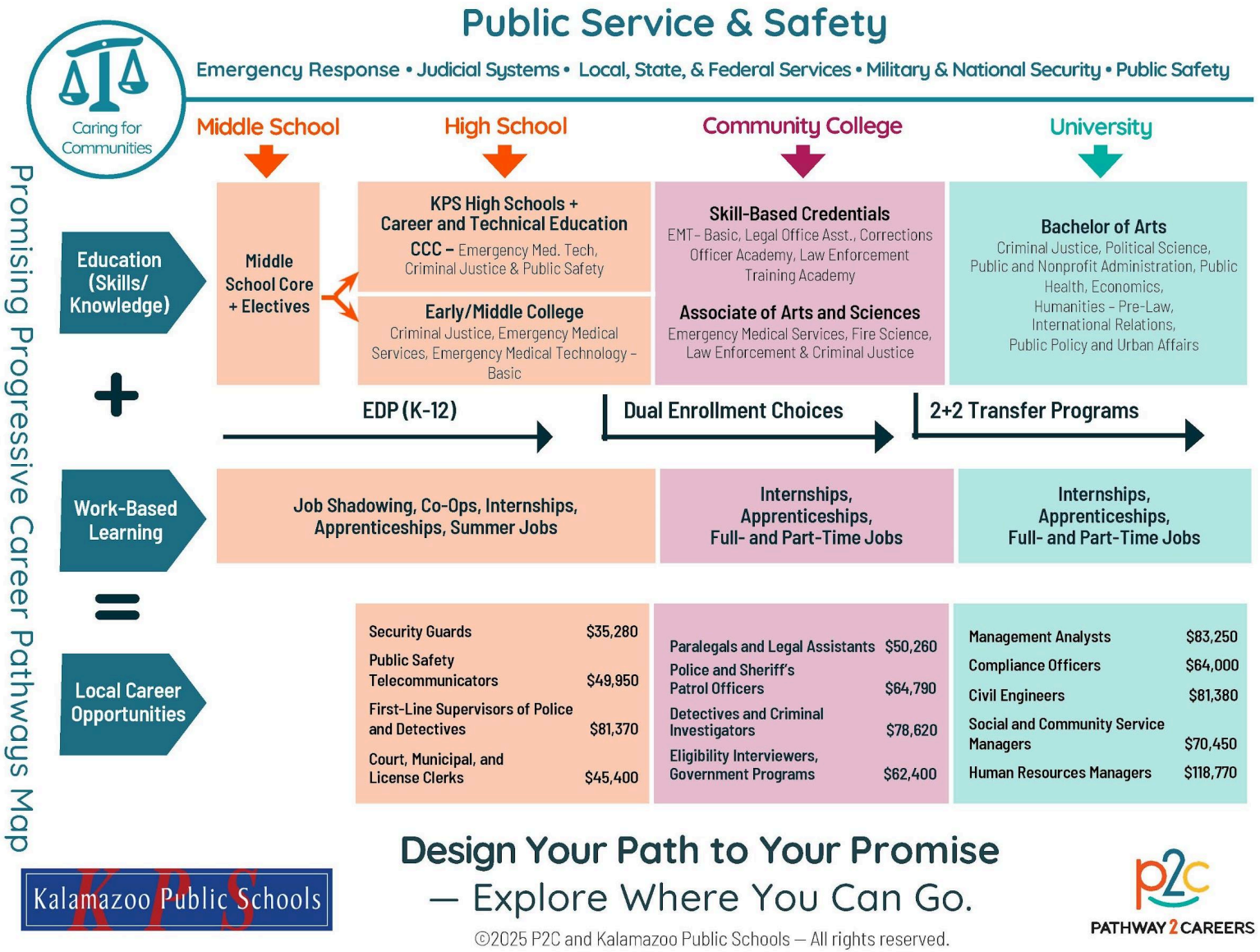
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P2C PATHWAY 2 CAREERS

Cross-Cutting Cluster | Marketing & Sales: *Improving Communication & Connections*	
Cluster Definition: The Marketing & Sales Career Cluster focuses on promoting products, understanding consumer needs, engaging with communities, and driving sales. It integrates digital marketing, data analysis, brand promotion, customer relationship management, strategic communications, human-centered design, and retail strategies to build strong customer connections and support business growth. This Cluster is essential in all industries for creating value, effectively reaching and engaging target audiences, and achieving commercial success in a competitive marketplace.	
Sub-Clusters	**Example Programs of Study**
Market Research, Analytics, & Ethics: Careers focused on gathering, analyzing, and interpreting market data and consumer behaviors to inform strategic decisions and enhance business relationships. Professionals in this field use data analysis to understand market trends, competition, and customer interactions. This field aims to optimize customer retention and drive sales growth through informed strategies while maintaining awareness of ethical advertising practices, particularly those affecting the health and financial well-being of underserved populations.	Marketing Research Social Media & Analytics
Marketing & Advertising: Careers focused on using digital technologies and traditional strategies to promote products and services to engage customers and maintain brand identity. This Sub-Cluster includes leveraging online platforms, social media, and email marketing to communicate with audiences digitally. Professionals in this field design and manage brand advertising campaigns and promotions to enhance brand image and market position.	Marketing Marketing Management
Retail & Customer Experience: Careers focused on the essentials of retail operations and the delivery of outstanding customer experiences. This Sub-Cluster covers both physical and online store management, visual merchandising, inventory strategies, and customer service enhancement. Professionals in this field are prepared to drive retail success and customer satisfaction by creating engaging and personalized shopping experiences and enhance customer protection by educating consumers on correct product usage and unfair practices in the marketplace.	Merchandising
Strategic Sales: Careers that help businesses grow and achieve goals. This field covers setting targets, refining sales processes, leading teams, and prioritizing excellent customer service in direct sales. Professionals in this field specialize in business development, partnership building, and customer engagement, adapting to the dynamic demands of today's marketplace.	Business Communications

Career Clusters
Pathways to College & Career Readiness

ADVANCE CTE
State Leaders Connecting Learning to Work


Public Service & Safety
Emergency Response • Judicial Systems • Local, State, & Federal Services • Military & National Security • Public Safety
Caring for Communities
Middle School
High School
Community College
University
Education (Skills/ Knowledge)
Middle School Core + Electives
KPS High Schools + Career and Technical Education
CCC – Emergency Med. Tech, Criminal Justice & Public Safety
Early/Middle College
Criminal Justice, Emergency Medical Services, Emergency Medical Technology - Basic
Skill-Based Credentials
EMT- Basic, Legal Office Asst., Corrections Officer Academy, Law Enforcement Training Academy
Associate of Arts and Sciences
Emergency Medical Services, Fire Science, Law Enforcement & Criminal Justice
Bachelor of Arts
Criminal Justice, Political Science, Public and Nonprofit Administration, Public Health, Economics, Humanities - Pre-Law, International Relations, Public Policy and Urban Affairs
EDP (K-12)
Dual Enrollment Choices
2+2 Transfer Programs
Work-Based Learning
Job Shadowing, Co-Ops, Internships, Apprenticeships, Summer Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Local Career Opportunities
Security Guards $35,280
Public Safety Telecommunicators $49,950
First-Line Supervisors of Police and Detectives $81,370
Court, Municipal, and License Clerks $45,400
Paralegals and Legal Assistants $50,260
Police and Sheriff's Patrol Officers $64,790
Detectives and Criminal Investigators $78,620
Eligibility Interviewers, Government Programs $62,400
Management Analysts $83,250
Compliance Officers $64,000
Civil Engineers $81,380
Social and Community Service Managers $70,450
Human Resources Managers $118,770
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PATHWAY 2 CAREERS

Public Service & Safety

Design Your Path to Your Promise — Here's How You Can Get There.

	English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
MIDDLE SCHOOL	English	6th Grade Math or Accelerated Math	6th Grade Science	Social Studies	Spanish for Beginners (Elective)	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
	English	7th Grade Math or Accelerated Math	7th Grade Science	Social Studies	Spanish Intermediate	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
	English	8th Grade Math or Algebra	Science/Robotics	Social Studies	Spanish 1	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart

	English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
HIGH SCHOOL	English 9 / Honors English	Algebra 1 or Geometry	Environ. Science & Biology (CEB)	World History	Spanish	PE	Tech Smart	Band, Orchestra or Choir or other career programs below.
	English 10 / Honors English	Geometry or Algebra II	Biology (DEE) and Chemistry	US History	Spanish	Health	College/Career Readiness	
	English 11 A or Honors or AP	Algebra II or Statistics	Physics	Gov or AP Gov	Spanish / (future Arabic)	American Military History	Economics	
	College Eng. 12 or Honors Eng.	Statistics or Personal Finance	Science Elective	Social Studies Elective	Spanish / (future Arabic)	Fine Arts	Government & Politics	

Grade	Possible Career-Connected Pathway Choices	
9	Family, Career, and Community Leaders of Amer.	American Military History
10-12	Law I & II	Economics
11-12	Criminal Justice & Public Safety	Government & Politics
12	Emergency Medical Technician Program	AP U.S. Government & Politics

Dual Enrollment Courses

- Basic Emergency Medical Tech
- Medical First Responder
- Human Anatomy & Physiology I
- Intro to Law Enforcement & Criminal Justice
- Intro to Corrections
- Criminal Law & Procedure
- College Writing I
- Legal Terminology

Postsecondary Programs/Majors/Apprenticeships for Occupations in this Career Cluster

Certificates, Associate's Degrees, and Apprenticeships	Bachelor's and Advanced Degrees
• EMS, AAS • EMT Basic, COA • Fire Science, AAS • Law Enforcement & Criminal Justice, AA • Corrections Officer Academy • Police Academy • Legal Office Asst. Cert.	• Criminal Justice • Political Science • Public and Nonprofit Administration • Public Health • Economics • Humanities – Pre-Law • International Relations

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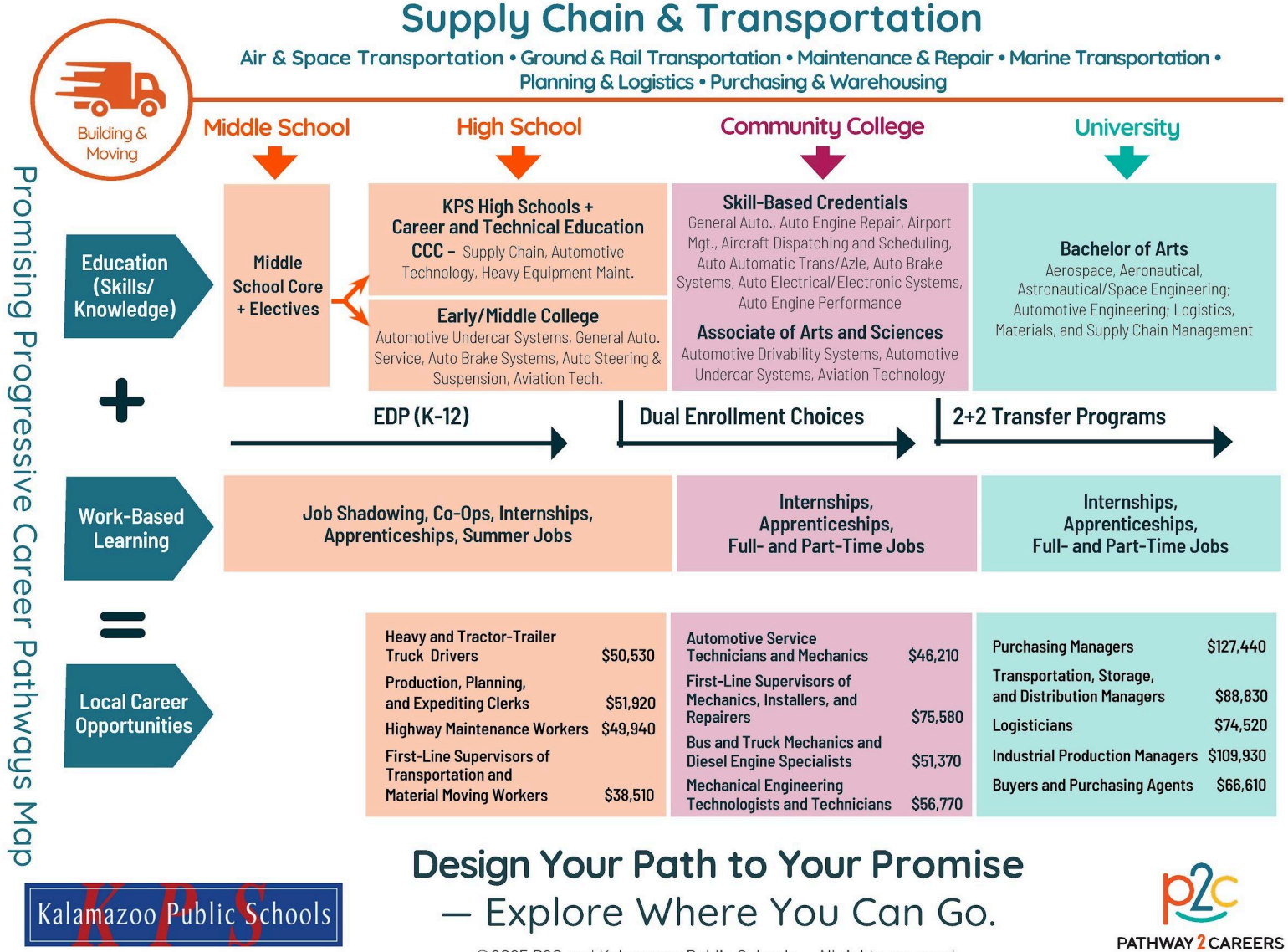
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P2C PATHWAY 2 CAREERS

Public Service & Safety: *Shaping, Serving, & Protecting Our Communities*	
Cluster Definition: The Public Service & Safety Career Cluster encompasses roles in local, state, and federal government; legal and justice systems; security; and military operations, all aimed at promoting civic responsibility and ensuring the well-being, security, functionality, and resilience of communities, states, and countries.	
Sub-Clusters	**Example Programs of Study**
Emergency Response: Careers focused on strategic actions taken to prepare for and manage crises and emergencies, including natural disasters, fires, accidents, and other urgent situations. Careers in this field involve training in rapid assessment, effective communication, and critical decisionmaking to mitigate risks, provide urgent medical services, and coordinate recovery efforts. This Sub-Cluster includes work in various settings, from government agencies to private organizations, that play a crucial role in safeguarding public health and safety.	Emergency & Fire Management Services Fire Science
Judicial Systems: Careers dedicated to maintaining the legal system, upholding justice, fairness, and the rule of law for both individuals and organizations. This Sub-Cluster encompasses a wide range of professions within the legal framework and court systems, focusing on ensuring that legal processes and justice delivery are carried out effectively and efficiently.	Legal Studies Paralegal & Legal Assistant Training
Local, State & Federal Services: Careers in government agencies responsible for policy and economic development, ensuring democratic processes, access to public services, governance, public administration, public policy, urban and regional planning, and community development. This field delivers services that support the protection of public goods and community resources such as local parks, libraries, and recreation centers and promote the well-being, stability, and sustainable growth of communities and their residents.	Economics Public Management & Administration Regional & Urban Planning
Military & National Security: Careers centered on safeguarding countries through defense operations, strategic planning, intelligence gathering, and technological resilience. Professionals in this field prevent threats and ensure citizens' safety while serving in the military, government, or private sector, playing a crucial role in maintaining national stability and preparedness.	National Security
Public Safety: Careers in law enforcement, corrections, and both public and private security. This Sub-Cluster focuses on safeguarding communities, managing correctional and rehabilitation facilities, and providing comprehensive protective services. Professionals in this field work to prevent crime, inform and educate citizens, and ensure public order, contributing to the overall safety and well-being of society.	Criminal Justice Law Enforcement Services Security & Protective Services

Career Clusters
Pathways to College & Career Readiness

ADVANCE CTE
State Leaders Connecting Learning to Work


Supply Chain & Transportation
Air & Space Transportation • Ground & Rail Transportation • Maintenance & Repair • Marine Transportation • Planning & Logistics • Purchasing & Warehousing
Building & Moving
Promising Progressive Career Pathways Map
Middle School
High School
Community College
University
Education (Skills/ Knowledge)
Middle School Core + Electives
KPS High Schools + Career and Technical Education
CCC – Supply Chain, Automotive Technology, Heavy Equipment Maint.
Early/Middle College
Automotive Undercar Systems, General Auto. Service, Auto Brake Systems, Auto Steering & Suspension, Aviation Tech.
Skill-Based Credentials
General Auto., Auto Engine Repair, Airport Mgt., Aircraft Dispatching and Scheduling, Auto Automatic Trans/Azle, Auto Brake Systems, Auto Electrical/Electronic Systems, Auto Engine Performance
Associate of Arts and Sciences
Automotive Drivability Systems, Automotive Undercar Systems, Aviation Technology
Bachelor of Arts
Aerospace, Aeronautical, Astronautical/Space Engineering; Automotive Engineering; Logistics, Materials, and Supply Chain Management
EDP (K-12)
Dual Enrollment Choices
2+2 Transfer Programs
Work-Based Learning
Job Shadowing, Co-Ops, Internships, Apprenticeships, Summer Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Internships, Apprenticeships, Full- and Part-Time Jobs
Local Career Opportunities
Heavy and Tractor-Trailer Truck Drivers $50,530
Production, Planning, and Expediting Clerks $51,920
Highway Maintenance Workers $49,940
First-Line Supervisors of Transportation and Material Moving Workers $38,510
Automotive Service Technicians and Mechanics $46,210
First-Line Supervisors of Mechanics, Installers, and Repairers $75,580
Bus and Truck Mechanics and Diesel Engine Specialists $51,370
Mechanical Engineering Technologists and Technicians $56,770
Purchasing Managers $127,440
Transportation, Storage, and Distribution Managers $88,830
Logisticians $74,520
Industrial Production Managers $109,930
Buyers and Purchasing Agents $66,610
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Design Your Path to Your Promise
— Explore Where You Can Go.
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PATHWAY 2 CAREERS

Supply Chain and Transportation

Design Your Path to Your Promise — Here's How You Can Get There.

	English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
MIDDLE SCHOOL	English	6th Grade Math or Accelerated Math	6th Grade Science	Social Studies	Mandarin Chinese	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
	English	7th Grade Math or Accelerated Math	7th Grade Science	Social Studies	Spanish for Beginners	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart
	English	8th Grade Math or Algebra	Science/Robotics	Social Studies	Spanish 1	Physical Ed./Band, Orchestra, or Choir	Life Skills	Tech Smart

	English Language Arts	Math	Science	Social Studies	World Language	Enrichment	Career Readiness	Elective Focus
HIGH SCHOOL	English 9 / Honors English	Algebra 1 or Geometry	Environ. Science & Biology (CEB)	World History	Mandarin / Spanish	PE	Tech Smart	Band, Orchestra, or Choir or other career programs below.
	English 10 / Honors English	Geometry or Algebra II	Biology (DEE) & Chemistry	US History	Mandarin / Spanish	Health	College/Career Readiness	
	English 11 A or Honors or AP	Algebra II or Personal Finance	Physics	Gov or AP Gov	Mandarin / Spanish	Skills for Success	Economics	
	College Eng. 12 or Honors Eng.	Personal Finance or Math Modeling	Science Elective	Social Studies Elective	Mandarin / Spanish	Fine Arts	Link Crew Leadership	

Grade	Possible Career-Connected Pathway Choices	
9	Automotive Technology	Supply Chain
10-12	Link Crew Leadership	Aviation Technology I & II
10-12	International Business	Skills for Success
12	Mechatronics: Robotics & Automation	International Business

Dual Enrollment Courses

- Shop Fundamentals
- Ethics & Employability Skills
- Intro to Automotive Electrical
- Supervisory Leadership Certificate
- Interpersonal Communication

Postsecondary Programs/Majors for Occupations in this Career Cluster

Certificates, Associate's Degrees, and Apprenticeships	Bachelor's and Advanced Degrees
• Automotive Undercar Systems, AAS • General Automotive Cert. • Auto Engine Repair, COA • Aviation Technology, AS • Aircraft Dispatching and Scheduling Cert. • Airport Management Cert.	• Supply Chain Management • Management • Aviation Management and Operations • Aviation Technical Operations

Kalamazoo Public Schools

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P2C PATHWAY 2 CAREERS

Supply Chain & Transportation: *Driving Efficiency & Streamlining Tomorrow's Transport*

Cluster Definition: The Supply Chain & Transportation Career Cluster encompasses the transfer, coordination, and management of goods from production to consumption, ensuring efficient movement across various modes of transportation including air, ground, and water, as well as maintenance of the respective transport modes. This Cluster integrates logistics and distribution networks to facilitate the seamless flow of materials and products, playing a crucial role in global commerce, economic development, and community health.

Sub-Clusters	Example Programs of Study
Air & Space Transportation: Careers related to the design, operation, and management of both air and space transportation, including air cargo and passenger services, as well as space exploration and satellite operations. This field incorporates the maintenance of electrical equipment such as radios, navigation equipment, and autopilot systems. Careers in this field ensure the safety and efficiency of air transport and advance space travel and research. This Sub-Cluster also includes managing flight operations and air traffic, designing aerospace systems, and conducting space exploration.	Aviation Technology Avionics "Your Place in Space" Department of Education Program
Ground & Rail Transportation: Careers related to the transportation of goods and passengers by road and rail. This field includes the design, operation, and management of automotive, trucking, rail operations, and logistics services, focusing on efficient and safe ground transport. Professionals in the field of rail operations work in a variety of settings from urban transit systems, such as subways and light rail, to cross-country freight and high-speed passenger trains, emphasizing the diverse yet specialized skills required to meet a wide range of transportation needs.	Commercial Driving Railroad Operations
Maintenance & Repair: Careers encompassing the repair and maintenance of transportation systems, including ground vehicles, rail vehicles, aircraft, and nautical vessels. This field also integrates specialized areas such as auto body and engine repair and is increasingly influenced by advancements in technology, including the maintenance of electric vehicles and systems for autonomous driving. Professionals in this field ensure that all forms of transportation equipment operate safely and efficiently, adapting to new technologies to meet evolving demands.	Auto Body Technology Automotive Maintenance Diesel Mechanics Electric Vehicle Maintenance
Marine Transportation: Careers in the design, operation, and management of maritime vessels and infrastructure for the transportation of goods and passengers, and watercraft used in sports and leisure activities. Professionals in this field engage in managing ship navigation; engineering marine systems; overseeing port operations; and ensuring the safety and maintenance of recreational vessels such as yachts, human-powered craft, and water powersport vehicles.	Marine Transport Vessel Operations
Planning & Logistics: Careers focused on managing and optimizing the supply chain's flow of goods and information. This Sub-Cluster encompasses roles in transportation planning, supply chain coordination, and efficient material sourcing, all aimed at enhancing efficiency, minimizing waste, ensuring safety, and facilitating timely delivery. This field integrates modern technologies to improve production, drive innovation, and maintain competitiveness in global trade systems. It also includes urban and regional planning for transit, further supporting effective transportation and logistics.	Transportation, Distribution, & Logistics Systems
Purchasing & Warehousing: Careers centered around procurement, warehousing, and facility maintenance. Professionals in procurement negotiate contracts and purchases as well as manage supplier relationships. Warehousing includes careers that oversee efficient storage, dispatch, and inventory control of goods. Professionals in facility maintenance manage supply chain facilities, ensuring operational efficiency and compliance with safety regulations.	Business Administration Supply Chain Management

Kalamazoo Public Schools
College and Career Awareness & Exploration Resources

Higher Education

Early/Middle College Programs
Kalamazoo County Early/Middle College (EMC) is an innovative early college program, which gives students the opportunity to earn an associate degree or certificate with an additional year of high school.

Kalamazoo Valley Community College
Kalamazoo Valley Community College seeks to provide every student with clear, flexible program options that provide a mix of educational skills and experiences that will prepare students for advanced coursework at top universities and meaningful opportunities for employment in a changing world.

Kalamazoo College
Kalamazoo College offers qualified high school students the opportunity to enroll in courses while concurrently enrolled in high school during the fall, winter, and spring terms.

Western Michigan University
Dual enrollment through Early College Programs at WMU provides eligible high school students with credits that may be applied toward high school graduation requirements, as well as a college or university program.

The Kalamazoo Promise
Choosing a career path is one of the biggest and most important decisions you'll ever make. The good news is that The Promise is here to help you find and pursue the career path that fits you best.

Local Career Training Programs

Career Launch Kalamazoo
This modernized Youth Apprenticeship Program that provides flexible occupational training programs that cultivate well-educated, highly skilled workers able to meet the demands of a competitive global economy in careers that are in high demand.

Kalamazoo RESA Career Connect Campus
New in the 2025-2026 school year, students will have the opportunity to participate in programs at the Career Connect Campus (CCC). The inaugural class of students at the CCC will learn from industry experts in a new, state-of-the-art facility.

Teach Kalamazoo
Kalamazoo's Grow Your Own (GYO) Teacher Residency program includes apprenticeships and numerous on-ramps into the teaching profession for undergraduate and graduate students, staff, parents, paraprofessionals, for anyone with an existing bachelor's degree, and/or anyone who is interested in entering the honorable and fulfilling profession of teaching.

Labor Market Tools

Michigan Pathfinder
Pathfinder uses current labor market, wage, and institutional data and metrics to help you create an individualized career roadmap. This free tool provides information to students, parents, and guidance staff to make informed choices about educational and career options.

Pure Michigan Talent Connect
Michigan's free online career exploration tool that provides information on in-demand careers and the degrees or credentials needed to pursue them.

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College & Career Exploration and Resources

Xello Career Exploration
Kalamazoo Public Schools uses the Xello platform so students in grades K-12 can build self-knowledge and explore options beyond high school.

Michigan Career Development Model
The Michigan Career Development Model (MCDM) is a framework, guided by legislation that engages school communities, students, and their support networks in intentional and meaningful career awareness, exploration, and preparation.

Advance CTE National Career Clusters Framework
The National Career Clusters® Framework provides a shared structure and language for CTE program design across the United States. The new framework provides meaningful career exploration and preparation experiences through Career Technical Education (CTE) that prepare students for the changing and interconnected world of work.

Michigan Pathfinder
Pathfinder provides valuable information to help students make informed choices about educational and career options.

O*NET Online
O*Net provides a collection of resources to inform students' college and career journeys: a Career Exploration Tool, O*NET Interest Profiler, My Next Move, Career One Stop, and Get My Future.

FAFSA
Need some financial assistance to pursue higher education? Click here to access the Free Application for Federal Student Aid (FAFSA) to explore what financial aid and programs are available to you.

SAT/PSAT – College Board
The SAT and PSAT are standardized tests meant to show colleges and universities how prepared students are for college by measuring key skills like reading comprehension, computational ability, and clarity of expression.

EBSCO Learning Express
EBSCO LearningExpress provides online platforms for academic skill building, standardized test preparation, and career-oriented digital content. It helps students prepare for college, explore careers, and accelerate their journey into careers.

Credential Center
Certifications demonstrate for employers that job candidates have specific skills or knowledge in an occupation, industry, or technology. This site helps students explore training associated with certifications and credentials.

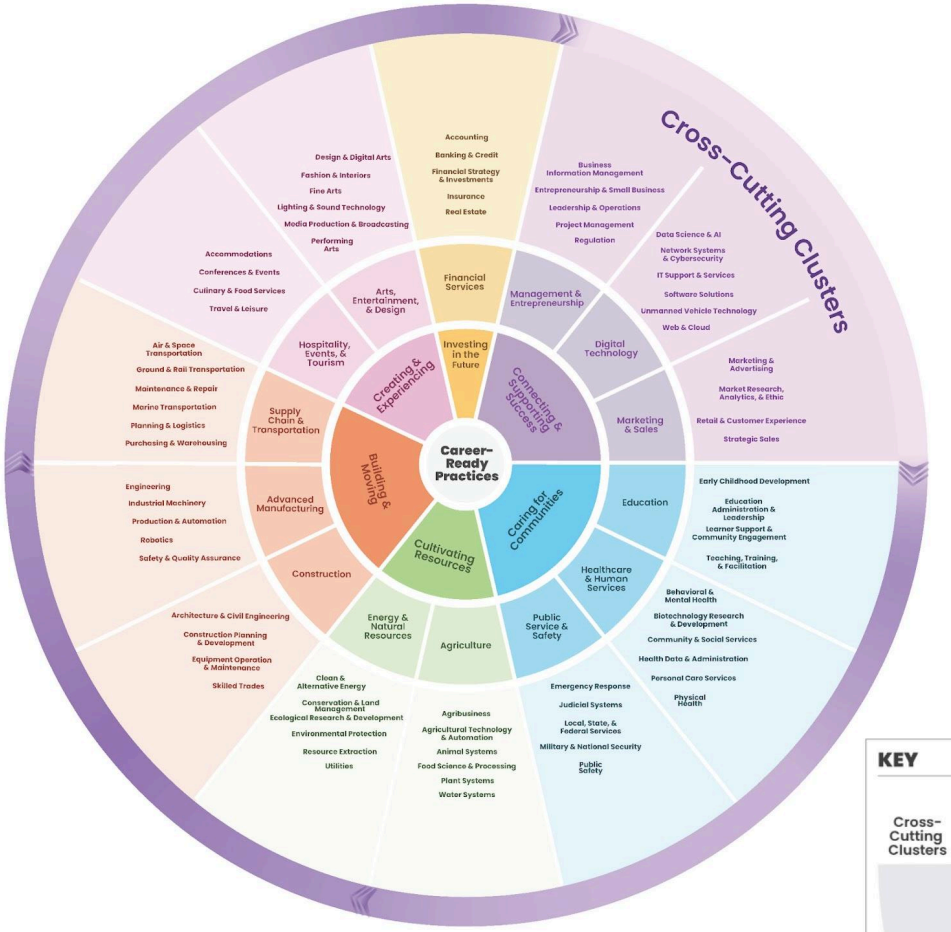
Apprenticeship USA
Discover apprenticeships across industries, how programs are started by employers, and how to become an apprentice.

ASVAB Career Exploration
The Armed Services Vocational Aptitude Battery (ASVAB) is a multiple-aptitude battery that measures developed abilities and helps predict future academic and occupational success in the military.

Career Clusters
Pathways to College & Career Readiness

The Framework: Wheel View

ADVANCE CTE
State Leaders Connecting Learning to Work



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Kalamazoo Public Schools

Every child. Every opportunity. Every time.

2025-2026

Hillside Middle School
1941 Alamo Ave.
Kalamazoo, MI 49006
269.337.0570
Atiba McKissack, Principal
Melinda Long, Counselor
Kevin Moore, Counselor

Linden Grove Middle School
4241 Arboretum Pkwy.
Kalamazoo, MI 49006
269.337.1740
Michael Hughes, Principal
Stephen Spybrook, Counselor
Nora Sneed, Counselor

Maple Street Magnet School
922 W. Maple St.
Kalamazoo, MI 49008
269.337.0730
Jeffrey Boggan, Principal
Dawn Couch, Counselor
Drew Farrell, Counselor

Milwood Magnet School
2916 Konkle St.
Kalamazoo, MI 49001
269.337.0670
William Hawkins, Principal
Joshua Kruger, Counselor
Roshonda Wiggins, Counselor

Notice of Nondiscrimination
Kalamazoo Public Schools will not tolerate or condone any act of bias or discrimination toward any person based on religion, race, color, national origin, age, sex, pregnancy, gender identification, height, weight, familial status, marital status, sexual orientation, disabilities or other legally protected factors in any of its activities, programs or services.

This notice complies with Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendment of 1972, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination Act of 1975, Title II of the Americans with Disabilities Act of 1990, and the Michigan Elliot-Larsen Civil Rights Act of 1977. Inquiries by students and/or their parents/guardians should be directed to the Assistant Superintendent of Student Services, Kalamazoo Public Schools, 1220 Howard Street, Kalamazoo, MI 49008. All other inquiries may be directed to the Assistant Superintendent of Human Resources, Kalamazoo Public Schools, 1220 Howard Street (337-0100) or the Director of Civil Rights, Department of Health, Education and Welfare, Washington, D.C. 20201.