

WELCOME TO PULASKI COMMUNITY MIDDLE SCHOOL! ONE OF OUR GOALS IS TO STRIVE TO ENSURE THAT ALL STUDENTS HAVE SUCCESS ACADEMICALLY, BEHAVIORALLY, AND SOCIALLY. WE HAVE BUILT A ROUNDED CURRICULUM FOLLOWING THE STATE COMMON CORE STANDARDS. IF YOU WOULD LIKE TO VIEW THE ADOPTED PULASKI COMMUNITY SCHOOL DISTRICT'S STANDARDS AND BENCHMARKS, PLEASE GO TO WWW.CORESTANDARDS.ORG OR CONTACT THE DIRECTOR OF LEARNING SERVICES AT 920-822-6018. THE FOLLOWING COURSE DESCRIPTIONS ARE INTENDED TO HELP YOU UNDERSTAND THE CURRICULUM OFFERED AT OUR SCHOOL. IF YOU HAVE ANY QUESTIONS REGARDING THE COURSES OR THE SCHEDULING PROCESS, PLEASE FEEL FREE TO CONTACT OUR STAFF AT 920-822-6519.

COURSES BY GRADE LEVEL

SIXTH GRADE COURSES:

- ENGLISH LANGUAGE ARTS 6
- MATH 6 (CORE 1)
- SCIENCE 6
- SOCIAL STUDIES 6
- BAND, CHOIR AND GENERAL MUSIC
- PHYSICAL EDUCATION 6 (ALL YEAR – DAY 1/DAY 2)
- 4.5 WEEK COURSES (EVERY DAY): AGRISCIENCE 6; 2D ART 6; 3D ART 6; BUSINESS AND YOU 6; FAMILY AND CONSUMER SCIENCE (FACS) 6; SPANISH 6; TECHNOLOGY & ENGINEERING 6; AND WOOD SHOP 6

SEVENTH GRADE COURSES:

- ENGLISH LANGUAGE ARTS 7
- MATH CORE 2 AND MATH CORE 2/3
- SCIENCE 7
- SOCIAL STUDIES 7
- BAND 7 AND/OR CHOIR 7 (ALL YEAR – DAY 1/DAY 2)
- PHYSICAL EDUCATION 7/HEALTH 7 (ALL YEAR – DAY 1/DAY 2)
- QUARTER COURSES (BY QUARTER – EVERY DAY): AGRISCIENCE 7; ART 7; COMPUTER SCIENCE DISCOVERIES 7; DESIGN AND BUILD 7; DESIGN & CREATE 7; SPANISH; FRENCH; ENTREPRENEURS OF THE FUTURE 7; FAMILY AND CONSUMER SCIENCE (FACS) 7; AND SPORTS & ENTERTAINMENT MARKETING 7;

EIGHTH GRADE COURSES:

- COMMUNICATION ARTS 8
- MATH CORE 3, MATH CORE 3/1
- SCIENCE 8
- SOCIAL STUDIES 8
- PHYSICAL EDUCATION 8 (ALL YEAR – DAY 1/DAY 2)

- ELECTIVES: AGRISCIENCE 8; ART 8; BAND 8; INTRO TO BUSINESS 8; CHOIR 8; DIGITAL ART 8; EXPLORING ROBOTICS 8; FAMILY AND CONSUMER SCIENCE (FACS 1) 8; SEWING AND CHILDCARE (FACS 2) 8; INTRO TO SMALL ENGINES 8; TECHNOLOGY EDUCATION 8 (WOOD SHOP); FRENCH 1; AND SPANISH 1;



6th Grade Core Descriptions

ENGLISH LANGUAGE ARTS 6: THE PRIMARY FOCUS OF 6TH GRADE ENGLISH LANGUAGE ARTS IS TO BECOME A BETTER READER, WRITER, SPEAKER AND LISTENER. THESE LESSONS WILL BE SUPPORTED THROUGH THE USE OF HMH MATERIALS. STUDENTS CAN EXPECT TO READ AND ANALYZE A VARIETY OF FICTION AND NONFICTION TEXTS INCLUDING NOVELS, SHORT STORIES, POETRY, MEMOIRS, SPEECHES, ETC.

WRITING ASSIGNMENTS WILL INCLUDE SUMMARIES, RESEARCH TECHNIQUES, ARGUMENTATIVE STRUCTURE, AN INFORMATIVE ESSAY, FICTIONAL WRITING, AND WRITTEN ANALYSIS OF MANY DIFFERENT GENRES. BECAUSE WE ARE A COMMUNITY OF LEARNERS, STUDENTS CAN EXPECT TO WORK PERIODICALLY IN COOPERATIVE LEARNING SITUATIONS AND TO PRESENT INFORMATION TO THEIR PEERS IN COLLABORATIVE TEAMS AS WELL AS INDIVIDUALLY. THROUGHOUT THE DURATION OF THE SCHOOL YEAR, STUDENTS WILL READ AND RESPOND TO A WIDE VARIETY OF GENRES TO FOSTER A DEEPER UNDERSTANDING OF THE HUMAN EXPERIENCE. THEY WILL USE A VARIETY OF THINKING STRATEGIES TO UNDERSTAND, ANALYZE, AND CREATE TEXT FOR PERSONAL ENRICHMENT, PROBLEM-SOLVING AND AN APPRECIATION FOR TEXTS OF ALL KINDS AS A WAY TO LEARN MORE ABOUT THE WORLD AROUND THEM. STUDENTS WILL LEARN TO COLLECT, ANALYZE, AND CITE SPECIFIC EVIDENCE TO FORMULATE QUESTIONS, CONSTRUCT ARGUMENTS, MAKE DECISIONS, AND SUPPORT THEIR THINKING.

MATH 6 COURSE 1: THIS COURSE SERVES AS AN INTRODUCTION TO THE COMMON CORE MATH IN MIDDLE SCHOOL, UTILIZING THE COLLEGE PREPARATORY MATH (CPM) CURRICULUM. IT EXPLORES THE CONCEPTS OF MULTIPLICATION AND DIVISION OF WHOLE NUMBERS, DECIMALS, AND FRACTIONS. IN ADDITION, TOPICS OF RATIO, PROPORTION, PERCENTS, BASIC GEOMETRY, PROBABILITY, AND STATISTICS ARE EXPLORED USING VARIOUS TYPES OF GRAPHS.

ON A DAILY BASIS, STUDENTS IN 6TH GRADE UTILIZE PROBLEM-SOLVING STRATEGIES, QUESTIONING, INVESTIGATION, CRITICAL ANALYSIS, EVIDENCE GATHERING, AND CONSTRUCTION OF RIGOROUS ARGUMENTS TO JUSTIFY THEIR THINKING. THE EMPHASIS OF THIS COURSE IS TO HELP STUDENTS DEVELOP MULTIPLE STRATEGIES FOR PROBLEM SOLVING AND RECOGNIZE THE CONNECTIONS BETWEEN CONCEPTS THROUGH COOPERATIVE LEARNING.

SCIENCE 6: THIS COURSE FOLLOWS THE WISCONSIN STATE STANDARDS FOR SCIENCE IN DEVELOPING A CURRICULUM THAT INCLUDES CORE CONTENT IDEAS, CROSSCUTTING CONCEPTS, SCIENCE AND ENGINEERING PRACTICES THAT ARE INTEGRATED WITH ONE ANOTHER IN EACH UNIT. THERE ARE UNITS ON THE NATURE OF SCIENCE, LIFE SCIENCE, EARTH SCIENCE, AND PHYSICAL SCIENCE. LIFE SCIENCE FOCUSES ON POPULATION AND ECOSYSTEM CHANGES.

PHYSICAL SCIENCE FOCUSES ON MODELING THE MOVEMENT OF LIGHT AND PARTICLES THROUGH VARIOUS TYPES OF MATTER. EARTH SCIENCE FOCUSES ON THE CAUSE AND EFFECT OF WATER ON THE LAND AROUND US WITH AN EMPHASIS ON THE NATIONAL PARKS. STUDENTS ARE CHALLENGED TO BE CURIOUS EXPLORERS OF THE WORLD.

SOCIAL STUDIES 6: SIXTH GRADE SOCIAL STUDIES REVOLVES AROUND WORLD GEOGRAPHY. THE BEGINNING OF THE YEAR HAS AN EMPHASIS ON MAP SKILLS AS WELL AS LOCAL, STATE, AND COUNTRY GEOGRAPHY. FROM THERE WE MOVE INTO EACH CONTINENT OF THE WORLD. EVERY UNIT WILL CONTAIN INSTRUCTION OF LANDFORMS, COUNTRIES, AND THE CULTURE OF THAT CONTINENT. IN ADDITION, CURRENT EVENTS WILL BE USED TO HIGHLIGHT THE 5 THEMES OF GEOGRAPHY THROUGHOUT THE YEAR.



7TH GRADE CORE DESCRIPTIONS

ENGLISH LANGUAGE ARTS 7: THIS CLASS CONSISTS OF READING, WRITING, SPEAKING, AND LISTENING, WITH A FOCUS ON READING AND WRITING FROM A WIDE GENRE OF TEXTS. SOME MAJOR UNITS OF STUDY IN ENGLISH/LANGUAGE ARTS INCLUDE LITERATURE STUDY, ARGUMENTATIVE AND INFORMATIONAL ESSAYS.

MATH 7 COURSE 2: CORE CONNECTIONS, COURSE 2 IS THE SECOND OF A THREE-YEAR SEQUENCE OF COURSES DESIGNED TO PREPARE STUDENTS FOR A RIGOROUS COLLEGE PREPARATORY ALGEBRA COURSE. IT USES A PROBLEM-BASED APPROACH WITH CONCRETE MODELS. THE COURSE HELPS STUDENTS TO DEVELOP MULTIPLE STRATEGIES TO SOLVE PROBLEMS AND TO RECOGNIZE THE CONNECTIONS BETWEEN CONCEPTS. THE LESSONS IN THE COURSE MEET ALL OF THE CONTENT STANDARDS AND EMBED THE "MATHEMATICAL PRACTICES" OF THE COMMON CORE STATE STANDARDS RELEASED IN JUNE 2010.

UPON COMPLETION OF THIS COURSE, STUDENTS SHOULD BE ABLE TO:

- MODEL INTEGERS AND OPERATIONS WITH INTEGERS AND RATIONAL NUMBERS INCLUDING USING ORDER OF OPERATIONS
- USE LINEAR MODELS AND EQUAL RATIOS TO REPRESENT PART-WHOLE RELATIONSHIPS
- USE PERCENTS AND SCALE FACTORS TO DETERMINE PERCENT INCREASE OR DECREASE, DISCOUNTS AND MARKUPS
- SIMPLIFY VARIABLE EXPRESSIONS BY COMBINING LIKE TERMS AND USING THE DISTRIBUTIVE PROPERTY
- SOLVE LINEAR EQUATIONS INCLUDING THOSE WITH FRACTIONAL COEFFICIENTS AND THOSE WITH NO SOLUTIONS OR INFINITE SOLUTIONS
- SOLVE AND GRAPH ONE-VARIABLE INEQUALITIES
- COMPARE EXPERIMENTAL AND THEORETICAL PROBABILITIES
- DISTINGUISH BETWEEN DEPENDENT AND INDEPENDENT EVENTS AND CALCULATE THE PROBABILITY OF COMPOUND INDEPENDENT EVENTS

- REPRESENT PROBABILITIES OF MULTIPLE EVENTS USING SYSTEMIC LISTS, CHARTS, OR TREE DIAGRAMS
- DESIGN, CONDUCT, AND ANALYZE SURVEYS
- COLLECT AND COMPARE DATA AND DESCRIBE THE DISTRIBUTION OF SETS OF DATA
- SOLVE DISTANCE, RATE, AND TIME PROBLEMS
- COMPARE RATIOS AND CALCULATE UNIT RATES
- RECOGNIZE AND SOLVE PROBLEMS INVOLVING PROPORTIONAL RELATIONSHIPS
- RECOGNIZE AND USE THE PROPERTIES OF SIMILAR SHAPES AND SCALE FACTORS TO SOLVE PROBLEMS
- DESCRIBE ANGLES, ANGLE PAIRS, AND THEIR MEASURES
- COMPUTE AREA AND PERIMETER OF POLYGONS AND COMPOSITE SHAPES
- SOLVE PROBLEMS INVOLVING THE FORMULAS FOR CIRCUMFERENCE AND AREA OF A CIRCLE
- COMPUTE THE VOLUME AND SURFACE AREA OF PRISMS

MATH 7 COURSE 2/3: COMPLETE MATH 2 AND BEGIN MATH 3 (SEE DESCRIPTION BELOW).

SCIENCE 7: SEVENTH GRADE SCIENTISTS WILL USE THEIR NATURAL CURIOSITY AND SCIENTIFIC QUESTIONING SKILLS TO EXPLORE THE FOLLOWING UNITS...

ACADEMIC QUARTER	ACADEMIC FOCUS	DRIVING QUESTION	KEY CONCEPTS
FIRST	CHEMISTRY	HOW IS NEW STUFF MADE FROM OLD STUFF?	PROPERTIES OF SUBSTANCES, CHEMICAL REACTIONS, OPEN AND CLOSED SYSTEMS
SECOND	PHYSICS	WHY DO SOME THINGS STOP WHILE OTHERS KEEP GOING?	ENERGY TYPES, ENERGY TRANSFORMATIONS, ENERGY TRANSFER
THIRD	LIFE SCIENCE	WHAT IS GOING ON INSIDE ME?	STRUCTURE AND FUNCTION OF CELLS, STRUCTURE AND FUNCTION OF BODY SYSTEMS, CELLULAR RESPIRATION, MITOSIS

FOURTH	EARTH SCIENCE	"WHAT MAKES THE WEATHER CHANGE?"	CAUSES OF STORMS, WEATHER CHANGES FROM PLACE TO PLACE, DIFFERENCES BETWEEN WEATHER AND CLIMATE, HUMAN IMPACT ON CLIMATE
ALL QUARTERS	ENGINEERING	HOW CAN WE CREATE A BETTER SOLUTION?	ENGINEERING DESIGN PROCESS, PROTOTYPES, TESTING, FINAL DESIGNS, REFLECTION

SOCIAL STUDIES 7: IN 7TH GRADE SOCIAL STUDIES WE TRAVEL BACK IN TIME AND LEARN ABOUT THE ANCIENT CIVILIZATIONS OF THE WORLD. THE 7TH GRADE SOCIAL STUDIES CURRICULUM FOCUSES ON RESEARCH AND INQUIRY. WE ALSO USE THE TEXTBOOK "MY WORLD INTERACTIVE, WORLD HISTORY" BY SAVVAS LEARNING COMPANY. THE UNIT TOPICS INCLUDE: ANCIENT MESOPOTAMIA, ANCIENT EGYPT, ANCIENT INDIA, ANCIENT CHINA, GREECE, ROME, AND AN INTRODUCTION TO WORLD GENOCIDES.



8TH GRADE CORE DESCRIPTIONS

ENGLISH LANGUAGE ARTS 8: IN 8TH GRADE ENGLISH LANGUAGE ARTS, THE FOCUS IS TO BECOME HIGH SCHOOL READY IN READING, WRITING, LISTENING, AND SPEAKING. WE USE THE HMH CURRICULUM TO GUIDE STUDENTS THROUGH THE PROCESS. THE UNITS CENTER AROUND ESSENTIAL QUESTIONS SUCH AS, "DOES TECHNOLOGY IMPROVE OR CONTROL OUR LIVES?" OR "HOW DO THE CHALLENGES YOU FACE TODAY HELP TO SHAPE YOUR FUTURE?" WE INTEGRATE GRAMMAR INTO THE CURRICULUM TO HELP STUDENTS BECOME HIGH SCHOOL READY WRITERS.

IN ADDITION, THIS COURSE IS A COMBINATION OF CITING TEXTUAL EVIDENCE, SUMMARIZING TO DETERMINE THE THEME, WRITING A LITERARY ESSAY, NARRATIVE WRITING, AND SPEAKING. WE INTEGRATE GRAMMAR INTO THE CURRICULUM TO HELP STUDENTS BECOME HIGH SCHOOL READY WRITERS. THERE IS ALSO CONSISTENT INSTRUCTION TO ENHANCE READING COMPREHENSION, INFERENCING, MAKING REASONABLE PREDICTIONS, AND WITH A GOAL TO FOSTER AN OVERALL LOVE OF LITERATURE.

MATH 8 COURSE 3: CORE CONNECTIONS 3 IS THE THIRD OF A THREE-YEAR SEQUENCE OF COURSES DESIGNED TO PREPARE STUDENTS FOR A RIGOROUS COLLEGE PREPARATORY ALGEBRA COURSE. IT USES A PROBLEM-BASED APPROACH WITH CONCRETE MODELS. THE COURSE HELPS STUDENTS TO DEVELOP MULTIPLE STRATEGIES TO SOLVE PROBLEMS AND TO RECOGNIZE THE CONNECTIONS BETWEEN CONCEPTS. THE LESSONS IN THE COURSE MEET ALL OF THE CONTENT STANDARDS AND EMBED THE “MATHEMATICAL PRACTICES” OF THE COMMON CORE STATE STANDARDS RELEASED IN JUNE 2010.

UPON COMPLETION OF THIS COURSE, STUDENTS SHOULD BE ABLE TO:

- REPRESENT A LINEAR FUNCTION WITH A GRAPH, TABLE, RULE, AND CONTEXT AND SHOULD BE ABLE TO FIND ANY REPRESENTATION WHEN PROVIDED ONE OF THE OTHERS
- SOLVE SYSTEMS OF EQUATIONS REPRESENTED IN TABLES AND GRAPHS
- SYMBOLICALLY MANIPULATE EXPRESSIONS IN ORDER TO SOLVE PROBLEMS INCLUDING THOSE WITH FRACTIONAL COEFFICIENTS
- SOLVE CONTEXTUAL WORD PROBLEMS USING MULTIPLE STRATEGIES, INCLUDING MAKING TABLES, LOOKING FOR PATTERNS, DRAWING DIAGRAMS, AND CREATING A TABLE OF GUESSES TO ASSIST WITH WRITING AND SOLVING A VARIABLE EQUATION
- DESCRIBE VARIOUS TRANSFORMATIONS ON A COORDINATE GRID
- REPRESENT DATA USING SCATTERPLOTS AND DESCRIBE ASSOCIATIONS
- COLLECT AND ANALYZE DATA AND MAKE PREDICTIONS BASED ON THE TREND OF THE DATA
- COMPARE RATIOS, CALCULATE UNIT RATES AND SLOPE RATIOS
- ANALYZE THE SLOPE OF A LINE GRAPHICALLY, NUMERICALLY, AND CONTEXTUALLY
- RECOGNIZE AND SOLVE PROBLEMS INVOLVING PROPORTIONAL RELATIONSHIPS
- GRAPH AND ANALYZE NON-LINEAR FUNCTIONS
- RECOGNIZE AND USE THE PROPERTIES OF SIMILAR SHAPES TO SOLVE PROBLEMS
- USE THE PYTHAGOREAN THEOREM AND ITS CONVERSE TO SOLVE PROBLEMS IN 2 AND 3 DIMENSIONS
- USE SQUARE AND CUBE ROOTS
- REPRESENT AND SIMPLIFY EXPRESSIONS USING POSITIVE AND NEGATIVE EXPONENTS
- REPRESENT AND COMPARE LARGE AND SMALL NUMBERS USING STANDARD AND SCIENTIFIC NOTATION
- PERFORM OPERATIONS WITH NUMBERS REPRESENTED IN SCIENTIFIC NOTATION
- USE THE RELATIONSHIPS BETWEEN ANGLES CREATED BY PARALLEL LINES WITH TRANSVERSALS AND THE TRIANGLE SUM THEOREM TO SOLVE PROBLEMS
- COMPUTE THE VOLUME OF A VARIETY OF SOLIDS

MATH 8 COURSE 3/1: IN THIS ADVANCED CLASS STUDENTS WILL COMPLETE THE SECOND HALF OF THE MATH COURSE 3 BOOK WHICH THEY STARTED THE PREVIOUS YEAR. THEY WILL ALSO COMPLETE THE MATH 1 BOOK WHICH IS DESCRIBED BELOW:

MATH 1: CORE CONNECTIONS ALGEBRA IS THE FIRST COURSE IN A FIVE-YEAR SEQUENCE OF COLLEGE PREPARATORY MATHEMATICS COURSES THAT STARTS WITH ALGEBRA I AND CONTINUES THROUGH CALCULUS. IT AIMS TO DEEPEN AND EXTEND STUDENT UNDERSTANDING BUILT IN PREVIOUS COURSES BY FOCUSING ON DEVELOPING FLUENCY WITH

SOLVING LINEAR EQUATIONS, INEQUALITIES, AND SYSTEMS. THESE SKILLS ARE EXTENDED TO SOLVING QUADRATIC EQUATIONS, EXPLORING LINEAR, QUADRATIC, AND EXPONENTIAL FUNCTIONS GRAPHICALLY, NUMERICALLY, SYMBOLICALLY, AND AS SEQUENCES, AND BY USING REGRESSION TECHNIQUES TO ANALYZE THE FIT OF MODELS TO DISTRIBUTIONS OF DATA.

ON A DAILY BASIS, STUDENTS IN *CORE CONNECTIONS ALGEBRA* USE PROBLEM-SOLVING STRATEGIES, QUESTIONING, INVESTIGATING, ANALYZING CRITICALLY, GATHERING AND CONSTRUCTING EVIDENCE, AND COMMUNICATING RIGOROUS ARGUMENTS JUSTIFYING THEIR THINKING. STUDENTS LEARN IN COLLABORATION WITH OTHERS WHILE SHARING INFORMATION, EXPERTISE, AND IDEAS.

THE COURSE IS WELL BALANCED AMONG PROCEDURAL FLUENCY (ALGORITHMS AND BASIC SKILLS), DEEP CONCEPTUAL UNDERSTANDING, STRATEGIC COMPETENCE (PROBLEM SOLVING), AND ADAPTIVE REASONING (EXTENSION AND APPLICATION). THE LESSONS IN THE COURSE MEET ALL OF THE CONTENT STANDARDS OF APPENDIX A OF THE *COMMON CORE STATE STANDARDS FOR MATHEMATICS*. THE COURSE EMBEDS THE CCSS STANDARDS FOR MATHEMATICAL PRACTICE AS AN INTEGRAL PART OF THE LESSONS IN THE COURSE.

KEY CONCEPTS ADDRESSED IN THIS COURSE ARE:

- REPRESENT LINEAR, QUADRATIC, AND EXPONENTIAL RELATIONSHIPS USING GRAPHS, TABLES, EQUATIONS, AND CONTEXTS.
- SYMBOLIC MANIPULATION OF EXPRESSIONS IN ORDER TO SOLVE PROBLEMS, SUCH AS FACTORING, DISTRIBUTING, MULTIPLYING POLYNOMIALS, EXPANDING EXPONENTIAL EXPRESSIONS, ETC.
- ANALYSIS OF THE SLOPE OF A LINE MULTIPLE WAYS, INCLUDING GRAPHICALLY, NUMERICALLY, CONTEXTUALLY (AS A RATE OF CHANGE), AND ALGEBRAICALLY.
- SOLVING EQUATIONS AND INEQUALITIES USING A VARIETY OF STRATEGIES, INCLUDING REWRITING (SUCH AS FACTORING, DISTRIBUTING, OR COMPLETING THE SQUARE), UNDOING (SUCH AS EXTRACTING THE SQUARE ROOT OR SUBTRACTING A TERM FROM BOTH SIDES OF AN EQUATION), AND LOOKING INSIDE (SUCH AS DETERMINING THE POSSIBLE VALUES OF THE ARGUMENT OF AN ABSOLUTE VALUE EXPRESSION).
- SOLVING SYSTEMS OF TWO EQUATIONS AND INEQUALITIES WITH TWO VARIABLES USING A VARIETY OF STRATEGIES, BOTH GRAPHICALLY AND ALGEBRAICALLY.
- REPRESENTATIONS OF ARITHMETIC AND GEOMETRIC SEQUENCES, INCLUDING TABLES, GRAPHS, AND EXPLICIT OR RECURSIVE FORMULAS.
- USE OF EXPONENTIAL MODELS TO SOLVE PROBLEMS, AND TO COMPARE TO LINEAR MODELS.
- INVESTIGATION OF A VARIETY OF FUNCTIONS INCLUDING SQUARE ROOT, CUBE ROOT, ABSOLUTE VALUE, PIECEWISE-DEFINED, STEP, AND SIMPLE INVERSE FUNCTIONS.
- USE OF FUNCTION NOTATION.
- STATISTICAL ANALYSIS OF TWO-VARIABLE DATA, INCLUDING DETERMINING REGRESSION LINES, CORRELATION COEFFICIENTS, AND CREATING RESIDUAL PLOTS.
- THE DIFFERENCES BETWEEN ASSOCIATION AND CAUSATION, AND INTERPRETATION OF CORRELATION IN CONTEXT.
- COMPARISON OF DISTRIBUTIONS OF ONE-VARIABLE DATA.

SCIENCE 8: WE BEGIN THE YEAR EXPLORING LIFE SCIENCE AND DNA FOCUSING ON THE QUESTION, "HOW DOES THE INSIDE OF MY BODY AFFECT THE OUTSIDE?" THIS LEADS INTO EXAMINING THE INHERITANCE OF TRAITS AND MACROEVOLUTION OF SPECIES THROUGHOUT EARTH'S HISTORY. WE THEN DIVE INTO STUDYING PLATE TECTONICS AND EARTH'S SHIFTING PLATES FOCUSING ON THE QUESTION, "HOW HAS EARTH CHANGED OVER TIME?" NEXT, WE GET INTO CHEMISTRY AND FOCUS ON, "HOW IS FOOD USED FOR ENERGY?" WE COMPLETE THE YEAR FOCUSING ON NEWTON'S LAWS OF PHYSICS AND ANSWERING THE QUESTION, "HOW DO OBJECTS MOVE?" STUDENTS WILL ALSO HAVE THE OPPORTUNITY TO COMPLETE ENGINEERING CHALLENGES BETWEEN UNITS.

SOCIAL STUDIES 8: STUDENTS WILL EXPLORE MANY IMPORTANT AMERICAN HISTORICAL EVENTS, DOCUMENTS, AND PEOPLE FROM THE ONSET OF COLONIZATION THROUGH THE CIVIL WAR. THE COURSE BEGINS WITH A REVIEW OF ICONIC MOMENTS IN AMERICAN HISTORY. NEXT, STUDENTS EXPLORE COLONIAL AMERICA AND WHY PEOPLE SETTLED IN AMERICA. FROM THERE, THE STUDENTS INVESTIGATE THE CAUSES, EFFECTS, AND OUTCOMES OF THE REVOLUTIONARY WAR. IT CONTINUES WITH AN IN-DEPTH LOOK AT THE CONSTITUTION AND PROCEEDS WITH STRONG INVESTIGATION TOWARD THE CAUSES AND EFFECTS OF EVENTS LEADING TO AND THROUGH THE AMERICAN CIVIL WAR. THROUGHOUT THE YEAR, EMPHASIS IS MADE TO RELATE HISTORY TO PRESENT-DAY LIFE. THE YEAR CONCLUDES WITH AN ECONOMICS UNIT WHERE STUDENTS EXPLORE WHAT FINANCIAL RESPONSIBILITIES AND CHOICES COME WITH BECOMING YOUNG ADULTS.



6th Grade Electives Descriptions

4.5 WEEK SPANISH (6700) – IN THIS 4.5 WEEK COURSE, STUDENTS WILL EXPLORE THE FOUNDATIONS OF THE SPANISH LANGUAGE AT A BASIC LEVEL. ALTHOUGH AN ENTRY LEVEL COURSE, STUDENTS WILL BE ABLE TO SEE AND DECIDE IF THEY WANT TO FURTHER THEIR LANGUAGE LEARNING.

18 WEEK SPANISH (6701) – IN THIS 18 WEEK COURSE, STUDENTS WILL LEARN TO READ, WRITE, AND SPEAK EFFECTIVELY IN THE SPANISH LANGUAGE. STUDENTS WILL ALSO DEMONSTRATE AN UNDERSTANDING OF THE PRODUCTS, PRACTICES, AND PERSPECTIVES OF HISPANIC CULTURE. LEARNING WILL BE PERSONALIZED DEPENDENT UPON PRIOR EXPERIENCE WITH THE LANGUAGE. STUDENTS WILL BE APPLYING THEIR KNOWLEDGE BY READING AND DISCUSSING A SPANISH NOVEL. THIS IS AN ACADEMICALLY CHALLENGING AND RIGOROUS COURSE DESIGNED FOR STUDENTS WHO WANT TO DEEPEN THEIR LANGUAGE LEARNING.

2D ART (6720) – IN THIS EXCITING, ENGAGING, HANDS-ON CLASS YOU WILL CREATE 2D ARTWORKS. FOR 4.5 WEEKS WE WILL EXPLORE A VARIETY OF MATERIALS AND ART MAKING TECHNIQUES INCLUDING DIGITAL ART, PRINTMAKING, PAINTING AND DRAWING. JOIN US FOR A FUN, CREATIVE COURSE IN ART; YOU WILL NOT WANT TO MISS OUT!

3D ART (6725) – IN THIS EXCITING, ENGAGING, HANDS-ON CLASS YOU WILL CREATE 3D ARTWORKS. FOR 4.5 WEEKS WE WILL EXPLORE A VARIETY OF MATERIALS AND ART MAKING TECHNIQUES INCLUDING DRAWING, CLAY, SCULPTURE AND WEAVING. JOIN US FOR A FUN, CREATIVE COURSE IN ART; YOU WILL NOT WANT TO MISS OUT!

AGRISCIENCE (6740) – JOIN THE ACTIVE AGRISCIENCE DEPARTMENT TO GET A HANDS-ON LOOK AT HOW TO GROW AND PRESERVE FOOD, CARE FOR ANIMALS AND OUR PLANET. AGRISCIENCE HOLDS SOLUTIONS TO A HAPPY & HEALTHY LIFE ON OUR GROWING PLANET. COME AND LEARN HOW YOU CAN GROW TOO.

BAND (6800) – LEARN A WIND OR PERCUSSION INSTRUMENT AND PERFORM AT LIVE CONCERTS! THIS IS A PERFORMANCE-BASED CLASS FOCUSED ON LEARNING TO READ MUSIC AND PLAY AN INSTRUMENT. IF YOU CHOOSE BAND A BAND TEACHER WILL BE REACHING OUT TO YOU VIA EMAIL.

BUSINESS (6750) – IN THIS 4.5-WEEK COURSE, 6TH-GRADE STUDENTS WILL EXPLORE THE FUNDAMENTALS OF ENTREPRENEURSHIP, LOGO DESIGN, AND ADVERTISING. STUDENTS WILL LEARN THE TRAITS OF SUCCESSFUL ENTREPRENEURS, DESIGN LOGOS, UNDERSTAND MARKETING PRINCIPLES, AND DEVELOP STRATEGIES FOR EFFECTIVE ADVERTISING. THROUGH A FINAL SIMULATION, THEY'LL EXPERIENCE THE PROCESS OF BRINGING A BUSINESS IDEA TO LIFE, FOSTERING CREATIVITY AND PRACTICAL SKILLS FOR FUTURE VENTURES.

CHOIR (6820) – LEARN TO SING IN A GROUP AND PERFORM AT LIVE CONCERTS! THIS IS A PERFORMANCE-BASED CLASS FOCUSED ON LEARNING TO READ MUSIC AND SINGING. YOU'LL NEVER HAVE TO SING BY YOURSELF IN THIS CLASS!

FACS (6760) – FACS 6 IS DESIGNED TO GIVE YOU A SENSE OF THE MANY WONDERFUL "FLAVORS" OF FAMILY & CONSUMER SCIENCE! HANDS-ON OPPORTUNITIES TO HELP CONTRIBUTE TO A HEALTHY FAMILY LIFE WILL BE EXPLORED IN THE AREAS OF CULINARY/FOODS, HEALTH SCIENCES, DESIGN & CHILD DEVELOPMENT TO ALLOW STUDENTS THE CHANCE TO EXPLORE NEW, REAL-WORLD TOPICS.

TECH & ENGINEERING (6735)– IN THIS COURSE, YOU'LL DIVE INTO THE WORLD OF TECHNOLOGY AND ENGINEERING, LEARNING HOW TO CODE, CREATE, AND INNOVATE. WE'LL USE PLATFORMS LIKE CODE.ORG AND SCRATCH TO BRING YOUR IDEAS TO LIFE THROUGH CODING, ANIMATION, AND GAMES. GET READY TO BUILD CIRCUITS WITH MAKEY MAKEY AND PROGRAM EDISON ROBOTS TO DANCE AND SING! THROUGHOUT THE COURSE, YOU'LL COLLABORATE WITH CLASSMATES, SOLVE CHALLENGES, AND SHOWCASE YOUR CREATIONS.

WOODSHOP (6730)– IN THIS COURSE, 6TH GRADE STUDENTS WILL BE INTRODUCED TO HANDS-ON PROJECTS IN THE TECH ED WOODS LAB. AREAS OF FOCUS INCLUDE: MEASUREMENT, MACHINE SAFETY, PERSONAL SAFETY IN A LAB SETTING, AND A HANDS-ON OPPORTUNITY TO CREATE A PROJECT USING THE MACHINES IN THE SHOP AREA.

7th Grade Electives Descriptions

AGRISCIENCE (7740) – TAKE THE NEXT STEP IN LEARNING MORE ABOUT THE UNITED STATES LARGEST INDUSTRY: AGRISCIENCE! WITH A “HANDS ON” APPROACH TO LEARNING, WE WILL EXPLORE EVERYTHING FROM VETERINARIAN SCIENCES, HOW TO PERFORM ANIMAL PHYSICAL EXAMS, ENVIRONMENTAL SCIENCES, PLANT SCIENCE, FORESTRY AND WILDLIFE MANAGEMENT. BE PREPARED TO CULTIVATE & ENJOY THE FRUITS OF OUR LABOR IN THE GREENHOUSE, ANIMAL LAB, SCHOOL GARDENS AND SCHOOL FOREST.

ART (7720) – IN THIS EXCITING, ENGAGING, HANDS ON CLASS YOU WILL CREATE A COMBINATION OF 2D AND 3D ARTWORK. WE WILL EXPLORE A VARIETY OF MATERIALS AND ART MAKING TECHNIQUES INCLUDING CLAY, PLASTER, AND PAINTING BOTH ACRYLIC AND WATERCOLOR. WE WILL ALSO IMPROVE OUR DRAWING SKILLS WITH 1-POINT PERSPECTIVE AND FIGURE DRAWING. STUDENTS WILL BE CREATING A DIGITAL PORTFOLIO OF THEIR ARTWORK WHERE THEY TAKE PHOTOS AND WRITE ARTIST STATEMENTS TO REFLECT ON THEIR WORK AND TO SHOW GROWTH AND LEARNING. JOIN US FOR ANOTHER FUN, CREATIVE COURSE IN ART; YOU WILL NOT WANT TO MISS OUT!

BAND (7800) – 7TH GRADE BAND EMPHASIZES INDIVIDUAL AND FULL ENSEMBLE DEVELOPMENT, BUILDING OFF SKILLS LEARNED IN 6TH GRADE BAND. STUDENTS PREPARE MUSIC FOR LIVE CONCERTS EVERY YEAR, AND HAVE THE OPTION OF JOINING MORE PLAYING ENSEMBLES SUCH AS JAZZ BAND, DRUM LINE, PEP BAND, MARCHING BAND, AND SOLO & ENSEMBLE. IF YOU CHOOSE BAND A BAND TEACHER WILL BE REACHING OUT TO YOU VIA EMAIL.

CHOIR (7820) – LEARN TO SING IN A GROUP AND PERFORM AT LIVE CONCERTS! THIS IS A PERFORMANCE-BASED CLASS FOCUSED ON LEARNING TO READ MUSIC AND SINGING. YOU’LL NEVER HAVE TO SING BY YOURSELF IN THIS CLASS! STUDENTS WILL HAVE THE OPPORTUNITY TO PARTICIPATE IN MORE PERFORMANCES, SUCH AS THE RED RAIDER SHOWCASE AND SOLO & ENSEMBLE. THERE IS NO PREREQUISITE IN ORDER TO JOIN OUR PCMS CHOIRS.

COMPUTER SCIENCE DISCOVERIES (7735) – WHETHER YOU’RE INTERESTED IN THE ARTS, ENGINEERING, CULTURE, DESIGN, OR TECHNOLOGY, COMPUTER SCIENCE DISCOVERIES (CS DISCOVERIES) SHOWS YOU HOW TO BRING YOUR IDEAS AND INTERESTS TO LIFE—NO EXPERIENCE NECESSARY! CS DISCOVERIES IS AN INTRODUCTORY COMPUTER SCIENCE COURSE WHERE STUDENTS BUILD ON THEIR CODING EXPERIENCE AS THEY CREATE PROGRAMMATIC IMAGES, ANIMATIONS, INTERACTIVE ART, AND GAMES. NO MATTER WHAT YOU’RE PASSIONATE ABOUT, A BACKGROUND IN COMPUTER SCIENCE WILL GIVE YOU THE TOOLS YOU NEED TO SUCCEED!

DESIGN AND BUILD (7730) – THIS CLASS WILL ENGAGE STUDENTS IN THE DESIGN PROCESS. STUDENTS WILL DESIGN AND BUILD VARIOUS PRACTICAL PROJECTS THROUGHOUT THIS COURSE. STUDENTS WILL HAVE OPPORTUNITIES TO INCORPORATE ASPECTS OF THEIR INTERESTS WITH THEIR PROJECTS. STUDENTS WILL ANALYZE MATERIALS NEEDED TO COMPLETE A PROJECT AND PROPER PROCEDURES TO FOLLOW WHILE WORKING.

DESIGN AND CREATE (7732) – IN THIS TECHNOLOGY AND ENGINEERING COURSE, STUDENTS WILL USE THE DESIGN PROCESS TO PLAN AND CREATE THEIR OWN PROJECTS. PROJECTS WILL INCLUDE CREATING 3D MODELS, INVESTIGATING ELECTRICAL CIRCUITS USING AN ADAFRUIT CIRCUIT PLAYGROUND, AND LEARNING THE FUNDAMENTALS OF COMPUTER CODING. STUDENTS WILL UTILIZE DESIGN SOFTWARE TO HELP PLAN AND MODEL THEIR CREATIONS.

ENTREPRENEURS OF THE FUTURE (7750) – STUDENTS WILL EXPLORE THE FOUNDATIONS OF STARTING THEIR OWN FOOD TRUCK BUSINESS THROUGH A PROJECT THAT WILL CULMINATE IN A PRESENTATION IMITATING THE WELL-KNOWN SHOW “SHARK TANK”. THROUGHOUT THE COURSE STUDENTS WILL DIVE INTO THE IMPORTANCE OF MARKETING AND ADVERTISING, MARKET RESEARCH, GRAPHIC DESIGN, BUDGETING/ACCOUNTING, AND MUCH MORE! BE READY TO GET CREATIVE AND PUT AN ENTIRE SEMESTER’S EFFORT INTO A SINGLE PROJECT TO PRESENT TO ‘INVESTORS’ AND NEGOTIATE A DEAL!

(FACS) FOOD FOR HEALTH (7760) – ARE YOU HUNGRY FOR CHANGE? IN THIS COURSE, YOU WILL HAVE THE OPPORTUNITY TO STEP INSIDE THE KITCHEN TO LOOK AT YOUR PERSONAL EATING HABITS AND GAIN A GREATER UNDERSTANDING OF HOW OUR FOOD CHOICES IMPACT OUR HEALTH FOR A LIFETIME! REGULAR CULINARY LABS COMBINED WITH HEALTH EDUCATION TOPICS WILL HELP PROMOTE HEALTHY EATING HABITS AS WELL AS SKILLS NECESSARY TO PREPARE EASY MEALS AND SNACKS.

FRENCH (7710) – 7TH GRADE FRENCH IS AN INTRODUCTION TO THE LANGUAGE. IN IT, STUDENTS WILL LEARN TO GREET OTHERS, DESCRIBE THEMSELVES AND OTHERS, STATE THEIR FEELINGS, THE DATE, THE WEATHER, AND LIKES AND DISLIKES. WE WILL COVER BASICS SUCH AS COLORS, NUMBERS TO 20, AND THE ALPHABET. STUDENTS WILL ALSO EXPLORE A VARIETY OF FRENCH-SPEAKING COUNTRIES AND CELEBRITIES AS WELL AS FRENCH CUISINE. AT THE END OF THE COURSE, STUDENTS WILL INCORPORATE ALL THEIR KNOWLEDGE OF THE LANGUAGE INTO A SKIT.

SPORTS AND ENTERTAINMENT MARKETING (7755) – TIME TO TAKE A DIVE INTO THE WORLD OF SPORTS MARKETING! DURING THIS CLASS, YOU WILL DIVE DEEP INTO TWO DIFFERENT SECTORS OF BUSINESS. WE WILL START CLASS WITH THE MARKETING UNIT. YOU WILL PRACTICE BY CREATING AND MARKETING YOUR OWN RESTAURANT PAYING SPECIAL ATTENTION TO YOUR TARGET MARKET. WE’LL TAKE A LOOK AT THE HISTORY OF SPORTS AND ENTERTAINMENT MARKETING AND DEVELOP THE MARKETING AND ADVERTISING ASPECTS BEHIND IT. YOU WILL THEN, WITH THE HELP OF YOUR TEAM, RELOCATE OR CREATE A NEW PROFESSIONAL SPORTS FRANCHISE! YOU WILL FOCUS ON POPULATION AND TOURISM AND DETERMINE THE IMPORTANCE OF MARKETING IN THE EXCITING INDUSTRY OF SPORTS AND/OR ENTERTAINMENT! WE WILL END BY DISCUSSING THE LARGE AMOUNT OF MONEY GENERATED BY COLLEGE SPORTS AND HOW THAT MONEY IS ALLOCATED! GET READY TO BE CREATIVE, HAVE FUN, AND LEARN ABOUT THE INSIDE WORLD OF SPORTS!

9 WEEK SPANISH (7700) – IN THIS 9 WEEK COURSE, STUDENTS WILL LEARN TO READ, WRITE, AND SPEAK EFFECTIVELY IN THE SPANISH LANGUAGE. STUDENTS WILL ALSO DEMONSTRATE AN UNDERSTANDING OF THE PRODUCTS, PRACTICES, AND PERSPECTIVES OF HISPANIC CULTURE. LEARNING WILL BE PERSONALIZED DEPENDENT UPON PRIOR EXPERIENCE WITH THE LANGUAGE. THIS IS AN ACADEMICALLY CHALLENGING AND RIGOROUS COURSE. WHILE THIS COURSE IS NOT REQUIRED, IT IS HIGHLY RECOMMENDED FOR STUDENTS WHO PLAN ON TAKING SPANISH I IN 8TH GRADE.

18 WEEK SPANISH (7705) – IN THIS 18 WEEK COURSE, STUDENTS WILL LEARN TO READ, WRITE, AND SPEAK EFFECTIVELY IN THE SPANISH LANGUAGE. STUDENTS WILL ALSO DEMONSTRATE AN UNDERSTANDING OF THE PRODUCTS, PRACTICES, AND PERSPECTIVES OF HISPANIC CULTURE. LEARNING WILL BE PERSONALIZED DEPENDENT UPON PRIOR EXPERIENCE WITH THE LANGUAGE. STUDENTS WILL BE APPLYING THEIR KNOWLEDGE BY READING AND DISCUSSING A SPANISH NOVEL. THIS IS AN ACADEMICALLY CHALLENGING AND RIGOROUS COURSE DESIGNED FOR STUDENTS WHO WANT TO DEEPEN THEIR LANGUAGE LEARNING. WHILE THIS COURSE IS NOT REQUIRED, IT IS HIGHLY RECOMMENDED FOR STUDENTS WHO PLAN ON TAKING SPANISH I IN 8TH GRADE.

8th Grade Electives Descriptions

AGRISCIENCE (8400) – BE READY FOR A UNIQUE AND INTERESTING CLASS! EXPLORE TOPICS, CAREERS, AND ISSUES DEALING WITH OUR ENVIRONMENT AND THE AGRISCIENCES. STUDENTS WILL BE EXPOSED TO TOPICS IN: VETERINARIAN SCIENCE, WILDLIFE MANAGEMENT, GENETIC ENGINEERING, HORTICULTURE, GREENHOUSE MANAGEMENT, SMALL ANIMAL CARE, AQUACULTURE, HYDROPONICS, FOOD SCIENCE, ENVIRONMENTAL SCIENCE, SOIL SCIENCE, ANIMAL SCIENCE, LEADERSHIP TRAINING, AND CAREER EXPLORATIONS IN THE AGRISCIENCE INDUSTRY! YOU ALSO GET TO SELECT WHICH TOPICS AND PROJECTS YOU WANT TO EXPLORE THROUGH SUPERVISED AGRICULTURAL EXPERIENCES. WE WILL USE THE NEW GREENHOUSE, AQUACULTURE LAB, HYDROPONICS LAB, ANIMAL SCIENCE LAB, THE SCHOOL FOREST, AND OUTDOOR GARDENS TO ACTUALLY “APPLY” TOPICS EXPLORED.

ART (8200) – IN THIS EXCITING, ENGAGING, HANDS-ON CLASS YOU WILL CREATE A COMBINATION OF 2D AND 3D ARTWORK. WE WILL EXPLORE A VARIETY OF MATERIALS AND ART MAKING TECHNIQUES INCLUDING CLAY, GLAZE, FOAM CARVING, AND CANVAS PAINTING. WE WILL ALSO IMPROVE OUR DRAWING SKILLS WITH 2-POINT PERSPECTIVE AND GRID DRAWING. STUDENTS WILL BE INTRODUCED TO NUMEROUS ARTISTS, ART REPRODUCTIONS, AND VOCABULARY AT THE BEGINNING OF EACH NEW UNIT. STUDENTS WILL BE CREATING A DIGITAL PORTFOLIO OF THEIR ARTWORK WHERE THEY TAKE PHOTOS AND WRITE ARTIST STATEMENTS TO REFLECT ON THEIR WORK AND TO SHOW GROWTH AND LEARNING. BY TAKING THIS STUDIO-LIKE COURSE, STUDENTS WILL CREATE A WIDE BODY OF PERSONAL ARTWORK AND GAIN VALUABLE ART EXPERIENCES TO APPLY IN HIGHER-LEVEL COURSES.

BAND (8800) – 8TH GRADE BAND EMPHASIZES INDIVIDUAL AND FULL ENSEMBLE DEVELOPMENT, BUILDING ON SKILLS LEARNED IN 6TH & 7TH GRADES. STUDENTS PREPARE MUSIC FOR LIVE CONCERTS – AND IN 8TH GRADE THIS INCLUDES A PEP BAND EVENT WITH THE HIGH SCHOOL BAND. IN ADDITION, STUDENTS CAN CHOOSE TO PARTICIPATE IN JAZZ ENSEMBLE, DRUM LINE, PCMS PEP BAND, AND SOLO & ENSEMBLE. THE 8TH GRADE YEAR CULMINATES WITH AN OVERNIGHT BAND TRIP WHERE STUDENTS PARTICIPATE IN A CLINIC EXPERIENCE. IF YOU CHOOSE BAND A BAND TEACHER WILL BE REACHING OUT TO YOU VIA EMAIL.

CHOIR (8820) – LEARN TO SING IN A GROUP AND PERFORM AT LIVE CONCERTS! THIS IS A PERFORMANCE-BASED CLASS FOCUSED ON LEARNING TO READ MUSIC AND SINGING. YOU’LL NEVER HAVE TO SING BY YOURSELF IN THIS CLASS! STUDENTS WILL HAVE THE OPPORTUNITY TO PARTICIPATE IN MORE PERFORMANCES, SUCH AS THE RED RAIDER SHOWCASE AND SOLO & ENSEMBLE. THERE IS NO PREREQUISITE IN ORDER TO JOIN OUR PCMS CHOIRS.

DIGITAL ART (8220) – THIS EXCITING COURSE FEATURES THE USE OF TECHNOLOGY TO CREATE WORKS OF ART. THIS COURSE FOCUSES ON GENERATING DIGITAL WORKS OF ART USING APPLICATIONS SUCH AS STOP MOTION VIDEO, IMOVIE, GREEN SCREEN, CAPCUT, ADOBE FRESCO, CANVA, AND PHOTO EDITING APPS. THE SKILLS FOR THIS CLASS WILL BE TAUGHT THROUGH PROJECTS IN THE AREAS OF PHOTOGRAPHY, ANIMATION/VIDEO, MARKETING/GRAPHIC DESIGN, WEB DESIGN AND DIGITAL DRAWING. STUDENTS WILL BE COLLABORATING AND COMMUNICATING WITH OTHERS. THROUGH THIS PROCESS STUDENTS WILL MAKE CONNECTIONS TO EVERYDAY LIFE AND POSSIBLE FUTURE CAREERS. THIS COURSE HELPS DEVELOP THE NECESSARY TECHNICAL SKILLS A STUDENT NEEDS AND ALSO STRETCHES A STUDENT TO THINK ABOUT AND CONNECT TO WHAT THEY ARE CREATING!

Robotics (8335) – THIS IS A HANDS-ON COURSE THAT ALLOWS STUDENTS TO BUILD AND PROGRAM THEIR OWN ROBOTS USING THE VEX IQ SYSTEM AND VEXCODE IQ PROGRAMMING SOFTWARE. STUDENTS WILL WORK WITH OTHERS TO LEARN HOW TO CONTROL THEIR ROBOTS USING COMPUTER PROGRAMMING, MECHANICAL SYSTEMS, AND VARIOUS SENSORS WHILE COMPLETING CHALLENGES THAT TEST THEIR SKILLS. HEAVY EMPHASIS IS PLACED ON COMPUTER PROGRAMMING, PROBLEM SOLVING, AND TEAMWORK. NO PRIOR EXPERIENCE IS NECESSARY.

FACS 1 – FOODS, NUTRITION & HEALTH SCIENCES (8600) – ROTATING CULINARY LABS AND HANDS-ON LEARNING ACTIVITIES DURING THIS PORTION OF THE CLASS WILL EXPOSE STUDENTS TO BASIC CULINARY SKILLS, RECIPE READING AND TECHNIQUES. NUTRITION, RECIPE CONVERSIONS, PLATING TECHNIQUES AND CAREERS IN THE FOOD INDUSTRY WILL ALSO BE EXPLORED!

STUDENTS WILL EXPLORE THE HEALTH SCIENCE PATHWAYS, CAREERS WITHIN THEM AND THE SKILLS NEEDED TO WORK WITHIN THOSE CAREERS. YOU'LL EXPLORE THE MEDICAL WORLD – A CAREER PATHWAY YOU CAN PURSUE AT PHS. COMMUNICATION, COLLABORATION AND CRITICAL THINKING SKILLS ARE OVERARCHING STANDARDS THAT WILL BE ASSESSED THROUGHOUT THE CLASS.

FACS 2 – CHILD DEVELOPMENT & SEWING/DESIGN (8620) - STUDENTS WILL EXPLORE MAJOR MILESTONES THROUGHOUT THE DEVELOPMENT OF A CHILD. HEALTHY VS. UNHEALTHY DEVELOPMENT, BABYSITTING SKILLS, HOW TO PREPARE NUTRITIOUS SNACKS AND MEALS, DESIGNING APPROPRIATE DEVELOPMENTAL PROJECTS AND CRAFTS AND THE OVERALL IMPORTANCE OF HEALTHY DEVELOPMENT IN A CHILD WILL BE TOPICS COVERED (WHICH DIRECTLY RELATE TO PHS COURSE OFFERINGS). COMMUNITY SERVICE PROJECTS WILL BE INCLUDED, HANDS-ON ACTIVITIES AND REAL-LIFE SKILLS AND KNOWLEDGE WILL BE LEARNED.

STUDENTS WILL LEARN BASIC SEWING SKILLS USING A SEWING MACHINE TO DESIGN AND CREATE A PROJECT DURING CLASS. STUDENTS WILL LEARN TO USE CRITICAL THINKING SKILLS AND CREATIVITY THROUGHOUT THE UNIT – OVERARCHING STANDARDS THAT WILL BE ASSESSED THROUGHOUT THE CLASS.

FRENCH (8820) – THIS IS A FULL YEAR OF FRENCH THAT INTRODUCES THE STUDENT TO THE FRENCH LANGUAGE AND TO FRENCH-SPEAKING COUNTRIES. EMPHASIS IS PLACED ON BUILDING A BASIC, EVERYDAY VOCABULARY AS WELL AS STUDYING BASIC GRAMMATICAL POINTS. ATTENTION IS ALSO PAID TO DEVELOPING SPEAKING, READING, AND WRITING SKILLS. THE CULTURE AND CUSTOMS OF THE FRENCH-SPEAKING WORLDS ARE ALSO STUDIED. THIS IS AN ACADEMICALLY CHALLENGING AND RIGOROUS COURSE EQUIVALENT TO THE PULASKI HIGH SCHOOL LEVEL I FRENCH. STUDENTS WHO SUCCESSFULLY COMPLETE THIS COURSE ARE ELIGIBLE FOR FRENCH II AT PULASKI HIGH SCHOOL.

BUSINESS (8500) - SOAR INTO AN EXPLORATION OF BUSINESS. IN THIS COURSE YOU WILL HAVE THE OPPORTUNITY TO LEARN ABOUT DIFFERENT SECTORS AND CAREER OPPORTUNITIES WITHIN BUSINESS. YOUR YEAR WILL START OFF BY LEARNING ABOUT MARKETING! YOU WILL GAIN EXPERIENCE MARKETING YOUR VERY OWN DESIGNED AND PRODUCED PAPER AIRPLANE. WE WILL THEN TAKE A DIVE INTO THE WORLD OF ECONOMICS BY IDENTIFYING DIFFERENT PARTS OF OUR ECONOMY. YOU WILL LEARN ABOUT THE FACTORS OF PRODUCTION AND DIFFERENT AREAS OF THE SUPPLY CHAIN. YOU AND A GROUP WILL THEN BE STRANDED ON A TROPICAL ISLAND FOR YOU TO CREATE, FROM NOTHING, YOUR OWN FUNCTIONING ECONOMY! WE WILL THEN DIVE INTO THE GLUE THAT HOLDS OUR ECONOMY TOGETHER... MONEY! WE WILL DISCOVER WHERE MONEY COMES FROM, HOW IT IS USED, WHY WE USE IT, AND HOW TO UTILIZE BANKS AND SAVINGS ACCOUNTS TO SET UP YOUR FINANCIAL FUTURE! WE WILL THEN DIVE INTO VARIOUS FINANCIAL UNITS BY LEARNING ABOUT THE STOCK MARKET, ACCOUNTING, AND ENTREPRENEURSHIP JUST TO NAME A FEW. YOUR FUTURE CAREER IN BUSINESS STARTS NOW.

INTRO TO SMALL ENGINES (8835) - IN THIS COURSE, STUDENTS WILL HAVE HANDS-ON EXPERIENCES WITH SMALL ENGINES. THEY WILL STUDY THE HISTORY OF COMBUSTION ENGINES, PROPER MAINTENANCE OF SMALL ENGINES,

COLLABORATION, TROUBLESHOOTING AND PROBLEM-SOLVING ENGINE PERFORMANCE ISSUES. THEY WILL LEARN IN AN ENVIRONMENT WHERE CRITICAL THINKING, SAFETY AND RESPECT ARE OF UTMOST IMPORTANCE. ROLL UP YOUR SLEEVES AND GET READY TO LEARN!

SPANISH (8700) - IN THIS YEAR-LONG COURSE, STUDENTS WILL LEARN TO READ, WRITE, AND SPEAK EFFECTIVELY IN THE SPANISH LANGUAGE. STUDENTS WILL ALSO DEMONSTRATE AN UNDERSTANDING OF THE PRODUCTS, PRACTICES, AND PERSPECTIVES OF HISPANIC CULTURE. LEARNING WILL BE PERSONALIZED DEPENDENT UPON PRIOR EXPERIENCE WITH THE LANGUAGE. STUDENTS WILL BE APPLYING THEIR KNOWLEDGE BY READING AND DISCUSSING A SPANISH NOVEL. THIS IS AN ACADEMICALLY CHALLENGING AND RIGOROUS COURSE EQUIVALENT TO THE PULASKI HIGH SCHOOL LEVEL I SPANISH. STUDENTS WHO SUCCESSFULLY COMPLETE THIS COURSE ARE ELIGIBLE FOR SPANISH II AT PULASKI HIGH SCHOOL.

TECHNOLOGY EDUCATION & WOOD SHOP (8840) – STUDENTS WILL BE INTRODUCED TO THE SAFE USE OF HAND TOOLS, PORTABLE POWER TOOLS, AND VARIOUS WOODWORKING MACHINES TO COMPLETE PROJECTS AND SOLVE TECHNICAL PROBLEMS. THEY WILL ALSO USE THE DESIGN PROCESS TO CREATE AND TEST THEIR PROJECTS IN A LAB SETTING. THE STUDENTS WILL HAVE HANDS-ON EXPERIENCES USING HAND TOOLS AND POWER EQUIPMENT TO BUILD THEIR OWN WOOD PROJECTS.