

Arts & Communication Academy



Related Careers: Art Directors, Curator, Stage Manager, Museum and Exhibit Manager, Director, Performer (Musician, Actor), Music Directors and Composers, Audio and Video Technician, Sound Engineer, Producers and Directors, Editors, Writers and Authors, Public Relations and Fundraising Manager, News and Print Media, Journalist, Multimedia Artists and Animators, Interior Designers, Artist and Art Marketer, Graphic Designers


Course Title
Key



Existing Courses



Potential Courses
(Subject to Change)

MIDDLE SCHOOL	HIGH SCHOOL			
Area of Interest Courses (Grades 6-8)	Program of Study	Introductory Courses	Intermediate Courses	Advanced Courses
Area of Interest Gateway (Grade 6): Heroes Middle School Electives (Grades 7 & 8): Digital Art Draw It, Paint It, Print It Drop a Beat House of Style Digital Storytelling Sculpt It	Arts Production and Management	Behind the Scenes: Production and Technical Design	*Event Production	Live Production Experience
	Media Production and Recording	Elements of Media Production	*Music and Sound Recording *Broadcast and Video Production	Live Production Experience Creative Professional
	Mass Communications	Writing for Media	*Media Messaging and Design	Creative Professional
	Creative Design	Digital Design 1 Design Fundamentals	Digital Design 2 Drawing, Painting, Printmaking Photography	
	Additional Academy Elective Courses:	Acting Rock Band Essentials Interior Design Public Speaking Fashion Merchandising and Design		
	CAPS Program:	 CAPS Creative Media (Can substitute for the Advanced Course in the Media Production and Recording, Mass Communications, or Creative Design Programs of Study)		

*Indicates new courses beginning in the 2019-20 school year.

Students in the Class of 2022 & Beyond will have to complete a 3 Course Program of Study

Business & Entrepreneurship Courses



Related Careers: Accountant, Bookkeeper, Actuary, Insurance Underwriters, Loan Officer, Financial Planner, Tax Preparer, Venture Capitalist, Small Business Owner, Entrepreneur, Business Analysts, Office Manager, Supply Chain Manager, Hotel Management, Event Planner, Tour Operator, Food and Beverage Manager, Executive Chef, Sous Chef, Restaurant Owner, Market Research Analysts, Recruiters, Social Media Marketing Manager, Sales Representatives & Retail Managers, Fundraiser, Media Buyer


Course Title
Key



Existing Courses



Potential Courses
(Subject to Change)

MIDDLE SCHOOL	HIGH SCHOOL			
Area of Interest Courses (Grades 6-8)	Program of Study	Introductory Courses	Intermediate Courses	Advanced Courses
Area of Interest Gateway (Grade 7): Think Tank Middle School Electives (Grades 7 & 8): Innovation Lab Money Doesn't Grow on Trees Teen Chef	Accounting and Finance	Business Dynamics	Accounting Finance and Investments	Advanced Business Seminar
	Entrepreneurship and Business Management		Management and Leadership Entrepreneurship	
	Marketing and Sales		Marketing	
	Hospitality and Restaurant Management	Business Dynamics Culinary Arts 1	*Hospitality Management Culinary Arts 2	
	Additional Academy Elective Courses:	Baking & Pastry Business Technology Culinary Arts 3	Sports & Entertainment Marketing *Social Media Marketing Personal Finance: Money Management & Wealth Building	
	CAPS Program:	 Business Administration and Management (Can substitute for the Advanced Course in all 4 Programs of Study)		

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Students in the Class of 2022 & Beyond will have to complete a 3 Course Program of Study

Engineering & Manufacturing



Related Careers: Aircraft Mechanic, Aeronautic Engineer, Architect, Building Engineer, Civil Engineer, CNC Machinist, Computer Control Programmer/Operator, Design Electrical Engineer, Engineer, Electrician, Entrepreneur, HVAC Controller, Industrial Engineer, Machinists, Manufacturing Mechanical Engineer, Process Engineer, Packaging Engineer, Process Engineer, Robot Technician, Quality Engineer, Structural Engineer, Tool and Die Maker, Welder


Course Title
Key



Existing Courses



Potential Courses
(Subject to Change)

MIDDLE SCHOOL	HIGH SCHOOL			
Area of Interest Courses (Grades 6-8)	Program of Study	Introductory Courses	Intermediate Courses	Advanced Courses
Area of Interest Gateway (Grade 7): Teen Engineer Middle School Electives (Grades 7 & 8): GTT: Architecture (PLTW) GTT: Design and Manufacturing (PLTW) GTT: Robotics (PLTW)	Architecture and Construction	Manufacturing and Construction	Construction Civil Engineering & Architecture (PLTW**)	*Construction Management and Development
	Manufacturing and Fabrication Technologies		*Welding and Metal Fabrication Wood Production Technologies	Manufacturing Design and Development
	Engineering and Design	Intro to Engineering Design (PLTW**)	Principles of Engineering (PLTW**)	Engineering Design & Development (PLTW**)
	Transportation Technologies	Small Gas Engines	Marine, Motorsport, and Outdoor Power Equipment	Super High Mileage Vehicle
	Additional Academy Elective Courses:	Computer Integrated Manufacturing (PLTW**) Aerospace Engineering (PLTW**)	Welding 2 – Design & Fabrication Woodworking 3	
	CAPS Program:	 Future Programming To Be Determined		

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Health Science



Related Careers: Medical Appliance Technician, Medical and Clinical Lab Technologist, Surgical Technologist, Medical Imaging Technologist, Biomedical Engineer, Forensic Science Technician, Dietetic Technician, Dietician and Nutritionist, Community Health Worker, Massage Therapist, Fitness Trainer and Aerobics Instructor, Athletic Trainer, Recreational Therapist, Physical Therapist, Occupational Therapist, Massage Therapist, Exercise Physiologist, Pharmacy Technician, Medical Assistant, Healthcare Social Worker, Physician, Physician Assistant, Licensed and Practical Nurse, Respiratory Therapist, Dentistry, Ophthalmology, Surgical and Medical Technician


Course Title
Key



Existing Courses



Potential Courses
(Subject to Change)

MIDDLE SCHOOL	HIGH SCHOOL			
Area of Interest Courses (Grades 6-8)	Program of Study	Introductory Courses	Intermediate Courses	Advanced Courses
Area of Interest Gateway (Grade 7): Snack Attack Middle School Electives (Grades 7 & 8): GTT: Medical Detectives (PLTW) 2 Fit 2 Quit Code Red	Biomedical	Human Body Systems	Principles of Biomedical Science (PLTW**)	Medical Interventions (PLTW**)
	Public Health		Global Health and Disease Prevention	*Community Health
	Exercise Science		Human Movement Sciences	Sports Medicine
	Healthcare		Principles of Biomedical Science (PLTW**) Nursing Assistant Emergency Medical Responder	Clinical Simulation
	Additional Academy Elective Courses:	CIS: Human Physiology, Technology, and Medical Devices Nutrition for the Human Body		
	CAPS Program:	 Healthcare and Medicine (Can substitute for the advanced course in the Public Health, Exercise Science, and Healthcare Programs of Study)		

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Human Services



Related Careers: Early Childhood Educator, K-12 Teacher, Administrator, Educational Paraprofessional, Training and Development Manager/Supervisor, Police and Sheriff's Patrol Officers, Correction Officers and Jailers, Attorney, Court Reporters, Paralegal and Legal Assistants, Government Service, Labor Relations Specialist, Firefighter, Military Service, Non-Governmental Organization, Lobbyist, Social and Human Service Assistant, Mental Health Counselors, Health Educators, Clinical, Counseling, and School Psychologist


Course Title
Key



Existing Courses



Potential Courses
(Subject to Change)

MIDDLE SCHOOL	HIGH SCHOOL			
Area of Interest Courses (Grades 6-8)	Program of Study	Introductory Courses	Intermediate Courses	Advanced Courses
Area of Interest Gateway (Grade 6): Be The Change Middle School Electives (Grades 7 & 8): Law and Order *More Than Social Media	Teaching and Educational Services	Intro to Human Development	Exploring Education	Multicultural Education
	Social and Mental Health Services	Human Relations	Positive Psychology: Building People and Community	Social and Mental Health Services
	Public Service	Human Relations	*Generation Now	Public Service
	Law and Legal Services	Criminal Justice and the Court	A Case for Justice	*Law and Legal Services
	Additional Academy Elective Courses:	Advanced Child Development Sociology of the Family		
	CAPS Program:	 Future Programming To Be Determined		

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Students in the Class of 2022 & Beyond will have to complete a 3 Course Program of Study

Science & Technology



Related Careers: Electrician, Electrical Engineer, Electronics Technician, Electrical Power-Line Installers and Repairers, Power Plant Technician and Operator, Electrical Systems Designer and Drafter, Network and Computer Systems Administrators, Computer Network Architects, Computer Hardware Engineer, Computer Hardware Technician and Repairer, Computer Research Scientist, Software Developer, Computer Systems Analyst, Computer and Information Systems, Computer Programmers, Information Security Analysts, Database Administrators, Natural Sciences Managers, Environmental Engineer, Green Technology and Alternative Energy Designer, Geoscientist & Conservation Scientists, Mining and Geological Engineer

Course Title Key | Existing Courses Potential Courses (Subject to Change)

MIDDLE SCHOOL	HIGH SCHOOL			
Area of Interest Courses (Grades 6-8)	Program of Study	Introductory Courses	Intermediate Courses	Advanced Courses
Area of Interest Gateway (Grade 6): Programming is Electric Middle School Electives (Grades 7 & 8): Invisible World of Science & Technology Apps Creation	Computer Science	*Computer Hardware, Software, and Code	Computer Science Principles (PLTW**)	Design and Development In Science and Technology Environmental Ethics and Ecology
	Information Technology Solutions		Cyber Security	
	Renewable Energy and Electrical Systems	Electricity	*Energy and Power Generation	
	Environmental Science	Energy, Food, and The Outdoors	*AP Environmental Science Environmental Sustainability	
	Additional Academy Elective Courses:	Mobile OS Development Web Development Instructional Technology Solutions		
	CAPS Program:	 Future Programming To Be Determined		

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