

The Academy of Science & Entrepreneurship Transformation “Early College High School” Incubator Program

Feature	Description
Focus	<ul style="list-style-type: none"> • 21st century career and academic learning opportunities designed around the innovative use of technologies. Innovative, flexible and adaptive learning spaces created to emulate an architectural design style typically found in professional office complexes • Focused and planned partnerships with community colleges, universities, industry, and community organizations • Students engaged in project-based learning experiences within career pathways while earning industry credentials AND college credits • Interdependent reliance on developing job skills and building academic success, while nurturing the social emotional growth and development of all students
Early College High School Program	<p>Through Early College, students will earn the Statewide Transfer General Education Core (STGEC), which consists of earning 30 college credits which can transfer to any Indiana college/university.</p> <ul style="list-style-type: none"> • Targeted Student Population: Underserved students such as first-generation, low-income, and students of color • Curriculum & Plan of Study: From college-preparedness to career-ready • College-Going Culture: An environment that builds the expectation of postsecondary attainment • Rigorous Instruction: Challenge and high expectations in every class • Supports for Student Success: Academic, social, and emotional supports • Collaboration & Partnerships: Higher education, family, community, and industry partnerships • Leadership & Staffing: Defined roles and responsibilities • Data Collection, Analysis, & Use: Continue assessment and improvement of program elements
Five Independent Career Pathways	<p>Engineering (STEM) Pathway</p> <ul style="list-style-type: none"> • Project Lead the Way (PLTW) Engineering Courses (Dual Credit) (<i>Elective Credit & Scholarships available at Purdue, IU, etc. to students completing PLTW Courses</i>) • Makerspace • Robotics Club <hr/> <p>Digital & Media Arts Career Pathway</p> <ul style="list-style-type: none"> • Fine Arts Connection (Art & Computer Science Credits), Intro to Art, Digital Design, Studio Art 2D & 3D (Dual Credit), Additional Electives (2D & 3D Art, Advanced Art, Drawing, etc.) • Makerspace • Art Club, Annual Art Show <hr/> <p>Entrepreneurship & Business Career Pathway</p> <ul style="list-style-type: none"> • INCubatoredu course (Dual Credit) <i>In this course, students ideate, develop, and iterate their own product or service startup in an attempt to gain investment funds in a final pitch event.</i> • Business, Marketing, Accounting, and Management Courses (Dual Credit) • Ability to receive a Certificate in Entrepreneurship from Ivy Tech • Makerspace • Pitch Competitions <hr/> <p>Computer Science (Informatics) Career Pathway</p> <ul style="list-style-type: none"> • Fine Arts Connection (Art & Computer Science Credits) • Intro to Microcomputers (Dual Credit) • Intro to Computer Science, Computer Science I and II • Makerspace • Virtual Reality Lab <hr/> <p>Life Sciences Career Pathway</p> <ul style="list-style-type: none"> • Biology, Chemistry • PLTW Principles of Biomedical Science • HHCC Biomedical Science and/or Health Sciences Pathway Courses

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PBL Learning Lab	<p>The Academy will be a PBL Model Learning Lab.</p> <ul style="list-style-type: none"> • Key component to the growth and sustainability of PBL in MCCSC schools • Teachers from MCCSC and beyond can come observe high quality PBL instruction and receive training provided by MCCSC teachers and other trained professionals • As a New Tech school, The Academy has access to ongoing professional development opportunities that can be shared with teachers throughout our corporation for no additional fees. • Access to ongoing professional development will be important for sustainability as teachers continue to refine their teaching and incorporate PBL into their lessons. • The Academy and MCCSC can be a model school corporation showcasing exemplary PBL instruction at all levels to schools across the state and beyond. • Could bring financial resources into the MCCSC (via visitors, training fees, etc.)
Master Classes	<ul style="list-style-type: none"> • Master Class workshop program will be designed to supplement the content taught in the classrooms • Enrichment program where students will have the opportunity to meet with and talk directly to business and industry professionals about their careers and experiences • Academy students will be expected to attend a certain number of Master Classes • Depending on the topic, these workshops may also be open to other MCCSC students and/or parents to attend
Makerspace	<ul style="list-style-type: none"> • Encourages creative thinking, collaboration, and problem solving • Aligns with all 5 career pathways being offered at The Academy • 3D printers, laser cutters, soldering, vinyl cutters, electronics, CNC equipment, and more
Career Pathway Capstone Project	<ul style="list-style-type: none"> • Students will complete a culminating capstone project that highlights their essential learnings and work-based learning experiences prior to graduation • Students have the opportunity to apply the concepts, skills, and dispositions learned in previous coursework in their career pathways in real world business and industry settings
College & Career Center	<ul style="list-style-type: none"> • Links students' career aspirations with their educational goals through early awareness of college preparation • The center will be designed to assist students and parents as they explore college and career options • Encourages students to take ownership of their college & career planning • Balances the promotion of colleges & careers to students
Authentic Industry Partnerships	<ul style="list-style-type: none"> • Meaningful transformative partnerships will exist with various community, industry, and higher education partners. • Partners will be engaged in project-based learning units as well as for career and college preparation and awareness.



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