



# Facilities Initiatives JCPS Board Work Session

*Jefferson County Public Schools  
February 26, 2019*



# Summary of Proposal

- Alternative Middle School at MDA site
- Alternative High School at Liberty site
- Liberty relocates to Gilmore Lane
- 3 newly Constructed Elementary Schools
- Massive renovation of Academy @ Shawnee
- W.E.B. DuBois at Breckinridge Metro site
- Newly constructed Middle School



# Research

- Any negative or neutral effect from closing schools was mediated by school districts providing upgraded and newer facilities (Duran-Narucki, 2008).
- Students exhibited higher attendance rates in updated or newer school facilities due to the perceived higher value of education (Filardo, 2016; Duran-Narucki, 2008).
- Improving school facilities served as a catalyst for academic improvement efforts. Students in newer or upgraded facilities showed evidence of improved reading and math achievement, improved student health outcomes, improved equity, increased student enrollment, and improved learning environment as it pertains to culture and climate (Filardo, 2016; Penn State University, 2015; Woolner et. al, 2007).
- Community effects also improved with newer school facilities. Average home prices and home values increased within a close proximity to a newly constructed school (Neilson & Zimmerman, 2011).



# Potential Savings

- On average the savings in staffing to merge two schools results in approximately \$620,000 total savings
- To combine six schools into three schools will result in up to \$3 million
- The number of teachers needed remains relatively at the same level whether it is one school or two schools
- This savings will be used to help support the combined schools with academic and therapeutic supports

# New Building

- State of the art windows
- Insulated wall construction



# New Building

- On-Demand lighting, heating, and cooling
- More natural light and wider hallways





# New Building

Places that make students excited about learning!



# New Building

Places that make students feel that we value them!







# Elementary Data

	# Resides Students Who Attend				Change
	15-16	16-17	17-18	18-19	
Gilmore Lane	98	87	77	74	-24
Indian Trail	180	178	160	163	-17
Roosevelt Perry	150	108	80	60	-90
Wheatley	169	130	125	136	-33
Watson Lane	284	282	237	200	-84
Wilkerson	128	134	113	115	-13

	# Resides Students Who Do NOT Attend				Change
	15-16	16-17	17-18	18-19	
Gilmore Lane	173	165	168	152	-21
Indian Trail	381	392	391	359	-22
Roosevelt Perry	365	397	353	365	0
Wheatley	376	348	327	288	-88
Watson Lane	221	205	229	278	57
Wilkerson	185	190	179	170	-15



# Alternative Schools

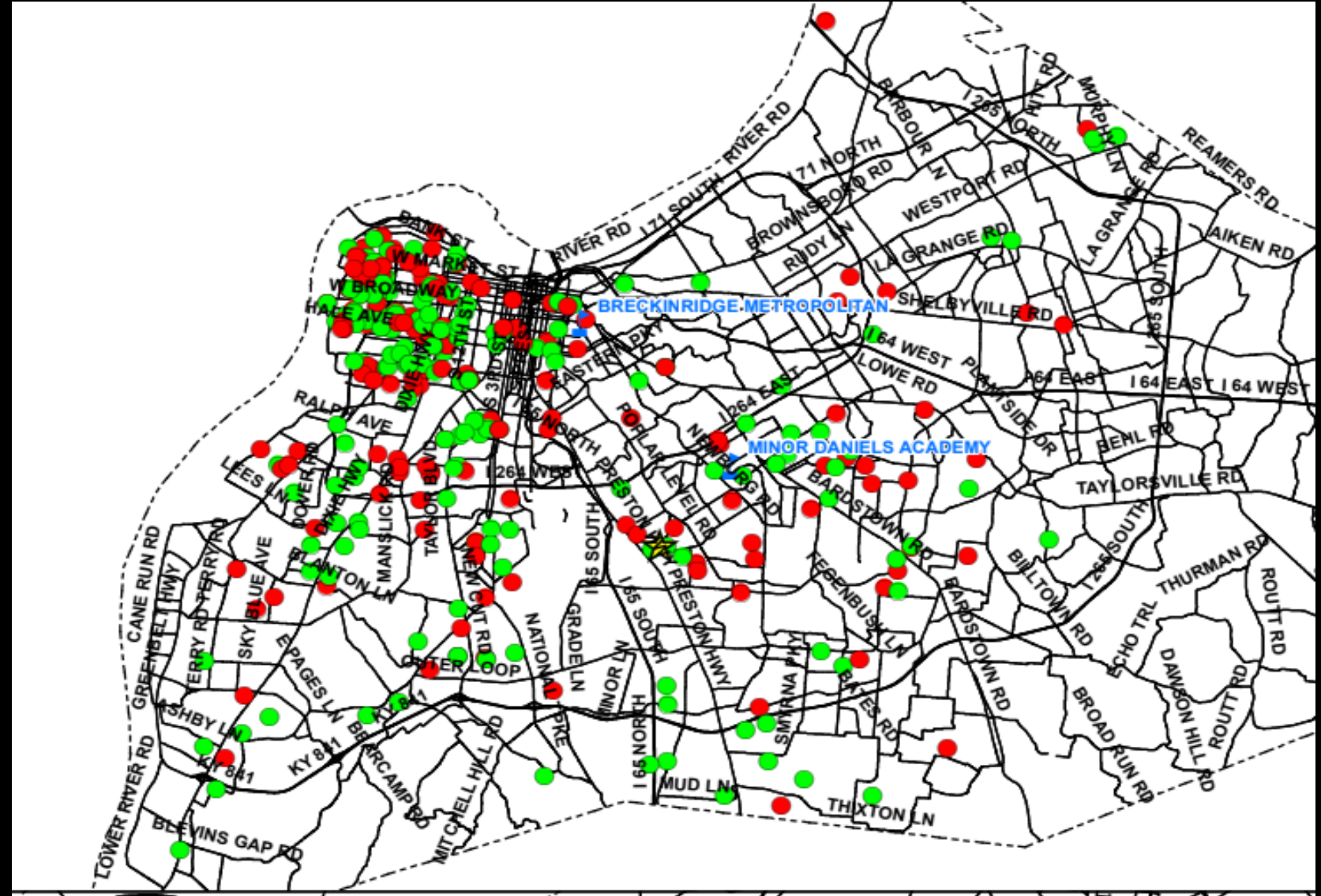


# Total Membership and Spending

	Minor Daniels Academy	Breckinridge Metropolitan School	District Average
Total Membership	279	172	96,774
Spending per Pupil	\$49,881	\$60,236	\$13,507

Note: 2016-2017 School Report Card data

# Security





# Safety & Renovations

- Security enhancements
- Access control
- Division of programs





# Key Recommendations From the Task Force

- Separate the middle and high school at MDA
- Implement a comprehensive in-take process for evaluating student needs
- Provide therapeutic and mental health supports
- Provide personalized academic supports including the arts and career and technical education
- Provide intentional support to ensure a successful transition for each student including options beyond the comprehensive high school



# A New Vision: On-Boarding Students

- The middle and high schools will offer a consistent on-boarding process during which the therapeutic staff will work with each student to determine personal, behavioral, social, and family-related needs.
- The on-boarding process will also include a comprehensive academic review, identifying the student's strengths and areas for growth, as part of the student's orientation process.
- The on-boarding process will include each student's parent/guardian and will provide ways in which the parent/guardian can help to support the student.
- Following the on-boarding process, therapeutic staff will provide connections to community organizations and partners, as needed, to support both the student and his/her family.



# A New Vision: Support Staff

- Ensure a restorative approach.
- Add mental health support to assist with the initial screening of students as they enroll, and add support transitions when students have successfully completed their programs.
- Add in-school security who function as de-escalators and partners, modeling ways security staff can work with students to reduce the likelihood of escalation, and create more successful conversations about replacement behaviors and choice making.



# A New Vision: Personalized Learning

- Establish an instructional philosophy to emphasize personalized learning, connecting learners to their interests, passions and aspirations.
- Include students and families in progress monitoring and goal-setting.
- Ensure that technology (equipment and resources) supports personalized learning.
- Train and support instructional staff in the use of personalized and deeper learning approaches and technology.



# A New Vision: Re-Engagement

When a student is ready to transition back to a comprehensive school, graduate, or move to another post-program opportunity, a Culture and Climate Re-Engagement Counselor will coordinate the transition meeting.

- Transition meetings will occur at the location where the student is going, with representation from the sending and receiving group/school required.
- All relevant stakeholders supporting the student will be invited to attend and participate.
- Transition meetings will include a common protocol ensuring all facets of a successful transition are addressed and resolved.





# A New Vision: Transition Readiness and Increased CTE Opportunities

A Framework for Alternative Schools



# LEARNING BY DOING

- Students complete extensive academic and interest assessments.
- Students participate in extensive counseling and coaching.
- Students create a life plan from career exploration course, personal inventory and assessment, reflection, and financial literacy course.
- Students begin an online performance-based certification program, and supplement with early and frequent experiential learning opportunities.
- Students participate in an internship/mentoring opportunity with the ultimate goal of a paid work experience.

# LEARNING BY DOING

Weekly Engagement Events coordinated by the job coach and classroom teacher include the following:

- ❖ Performance Based Online Coursework
- ❖ Weekly Guest Speakers
- ❖ Hands On Skills Challenges
- ❖ Guest Demonstration
- ❖ Industry Field Trips
- ❖ Industry Job Shadows
- ❖ Opportunity to integrate into high school pathway opportunities/labs
- ❖ Hands on Skills Training
- ❖ Job Interview Training and Coaching



# OPTION: Manufacturing Academy

Students would take the online, performance-based MSSC Certified Production Technician Course leading to an industry recognized certification. Students would train on table top Amatrol Trainers to practice mechanical principles and processes.



## GET CERTIFIED



The **Manufacturing Skill Standards Council (MSSC)** is an industry-led, training, assessment and certification system focused on the core skills and knowledge needed by the nation's front-line production and material handling workers. The nationwide **MSSC** System, based upon industry defined and federally-endorsed standards, offers both entry-level and incumbent workers the opportunity to demonstrate that they have acquired the skills increasingly needed in the technology-intensive jobs of the 21st century.

Certified Production  
Technician (CPT)



Safety Module

Quality Module

Maintenance Awareness Module



Manufacturing Processes &  
Production Module





# OPTION: Culinary Academy

Students would take the online, performance-based Pro-start course leading to an industry-recognized certification.





# OPTION: Computer Programming Academy



Students would take the online, performance-based Introduction to Programming course leading to an industry-recognized certification.

## Overview

**PCAP – Certified Associate in Python Programming** certification is a professional credential that measures your ability to accomplish coding tasks related to the basics of programming in the Python language and the fundamental notions and techniques used in object-oriented programming.

**PCAP | Certified Associate in Python Programming** certification shows that the individual is familiar with general computer programming concepts like conditional execution, loops, Python programming language syntax, semantics, and the runtime environment, as well as with general coding techniques and object-oriented programming.

Becoming PCAP certified ensures that the individual is fully acquainted with all the primary means provided by Python 3 to enable her/him to start her/his own studies, and to open a path to the developer's career.



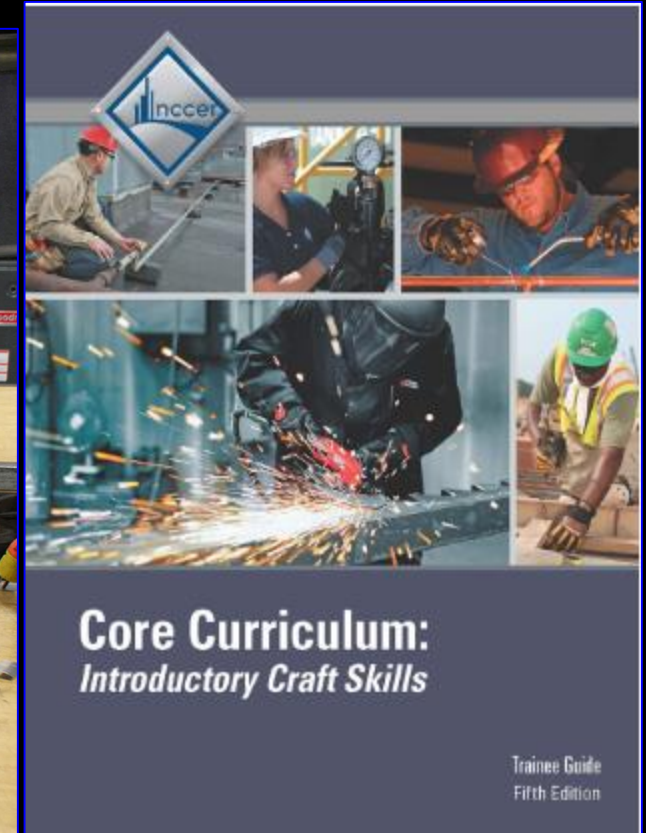
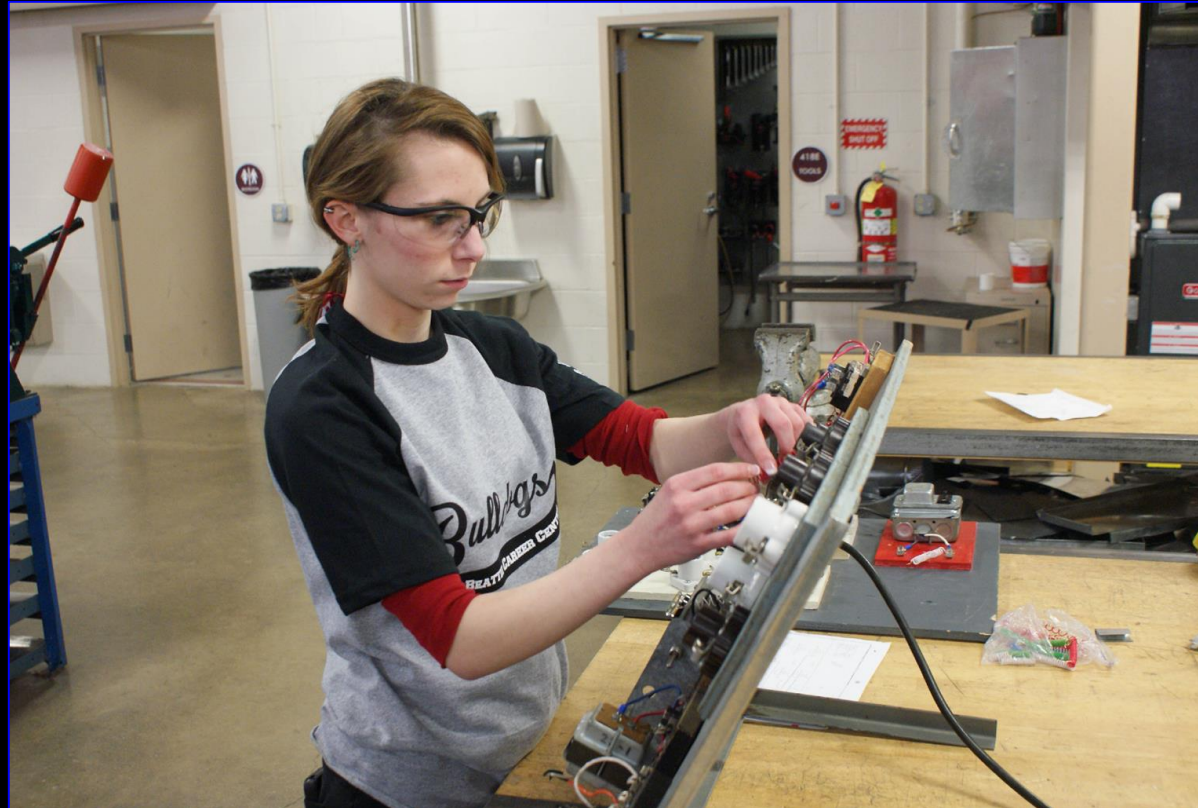
# OPTION: Skilled Trades Academy

Students would take the online general maintenance coursework leading to an industry recognized certification.

## CORE CURRICULUM

The NCCER Core Curriculum is a prerequisite to all other Level 1 craft curriculum. Its modules cover topics such as Basic Safety, Communication Skills and Introduction to Construction Drawings.

Completing this curriculum gives the trainee the basic skills needed to continue education in any craft area he or she chooses.





# OPTION: Ag Power, Structural Technical Systems Academy

Students would take the online ag power and machinery operation or small power equipment course leading to an industry-recognized certification.

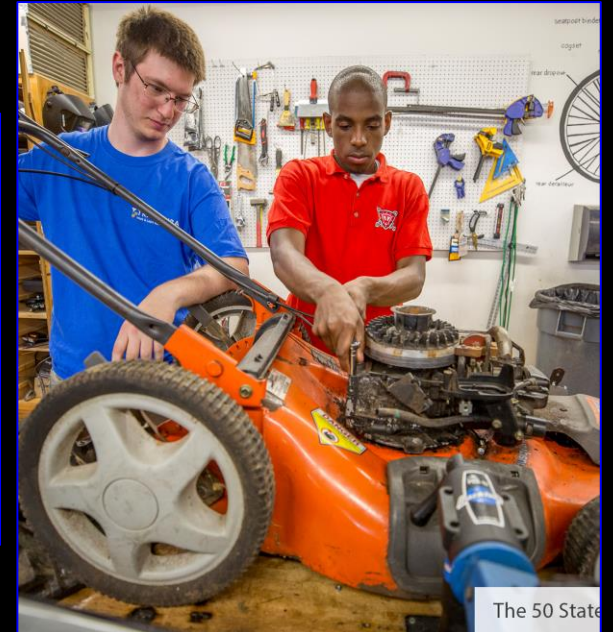


## PRINCIPLES OF SMALL ENGINE TECHNOLOGY CERTIFICATION

Developed in collaboration with the **Equipment & Engine Training Council**, the **Principles of Small Engine Technology Certification** provides students with an in-depth knowledge of **small engine technology** and equips students with the fundamental skills necessary to pursue a career within this industry.



Principles of Small Engine  
Technology Certification



The 50 State

# OPTION: Graphic Design Academy

Students would take the online, performance-based digital arts course leading to an industry-recognized certification.



## Because creativity can change the world

ACA certification is an industry-recognized credential that effectively validates one's skills in Adobe digital-media software. Get certified in the following:

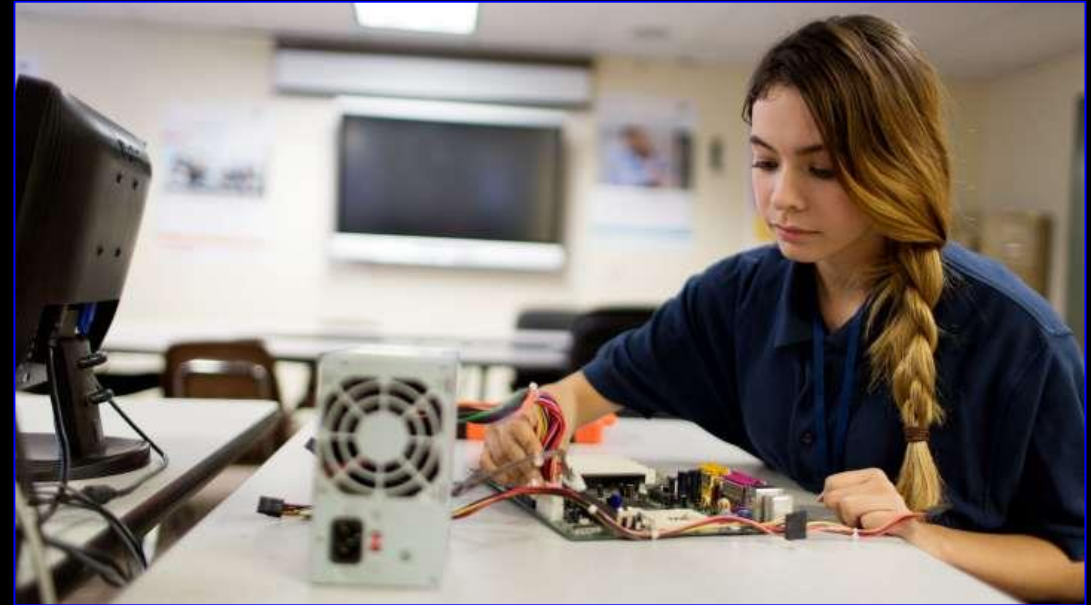
- Adobe After Effects
- Adobe Animate
- Adobe Dreamweaver
- Adobe Flash
- Adobe Illustrator
- Adobe InDesign
- Adobe Photoshop
- Adobe Premiere Pro





# OPTION: Computer Repair Academy

Students would take the online A+ or cyber engineering course leading to an industry-recognized certification.



9 skills that you master and validate with CompTIA A+



## HARDWARE

Identifying, using, and connecting hardware components and devices



## WINDOWS OPERATING SYSTEMS

Install and support Windows OS including command line & client support



## SOFTWARE TROUBLESHOOTING

Troubleshoot PC and mobile device issues including application security support



## NETWORKING

Explain types of networks and connections including TCP/IP, WIFI and SOHO



## HARDWARE & NETWORK TROUBLESHOOTING

Troubleshoot device and network issues



## SECURITY

Identify and protect against security vulnerabilities for devices and their network connections



## MOBILE DEVICES

Install & configure laptops and other mobile devices



## OTHER OS & TECHNOLOGIES

Understand Mac OS, Linux and mobile OS



## OPERATIONAL PROCEDURES

Follow best practices for safety, environmental impacts, and communication and professionalism



# OPTION: Administrative Support Academy

Students would take the online office administration course leading to an industry-recognized certification.



## Empowering students and educators

- For students, MOS boosts academic performance and preps them for college and career.
- For educators, MOS courses provide targeted training and support every step of the way.
- For Administrators, MOS improves institutional results.

# FINANCIAL LITERACY FOR ALL

Students complete an interactive financial literacy program such as Finance Park through JA or EverFi Financial Literacy.



JA Finance Park®

**EverFi™**

**FINANCIAL LITERACY**



# PARTNERS

- Mental Health Providers
- JAG Program
- LEEP Career Planners
- Job Corp
- Coalition Supporting Young Adults (CSYA)
- Louisville Business Partners



CAREERS  
BEGIN HERE



A NEW POSSIBILITY

BIG  
PICTURE  
LEARNING

**BIG**  
PICTURE  
LEARNING

A Framework for a Personalized Learning Environment



# BIG PICTURE LEARNING



ACTIVATING THE POWER OF  
**SCHOOLS, SYSTEMS & EDUCATION**  
THROUGH STUDENT-DRIVEN  
REAL-WORLD LEARNING



## **Big Picture Learning**

Schools exist throughout the country and the world, in both rural and urban environments, serving both large and small populations of students.

Although each Big Picture Learning School is unique, all provide an environment where students can flourish as individuals within a community of learners.

- ONE STUDENT AT A TIME
- ADVISORY STRUCTURE
- LEARNING THROUGH INTERESTS AND INTERNSHIPS
- PARENT AND FAMILY ENGAGEMENT
- SCHOOL CULTURE
- AUTHENTIC ASSESSMENT
- SCHOOL ORGANIZATION
- LEADERSHIP
- POST-SECONDARY PLANNING
- PROFESSIONAL DEVELOPMENT



**10 DISTINGUISHERS**