KCSD
Kenton County School District | *It's about ALL kids.*

ISSUE PAPER

KCSD ISSUE PAPER

DATE:
2/10/2021

AGENDA ITEM (ACTION ITEM):
Consider/Approve Click or tap here to enter text.
2021-2022 Ignite Institute curriculum guide to be used with attending Kenton County scholars.

APPLICABLE BOARD POLICY:
8.1 Curriculum

HISTORY/BACKGROUND:
The Ignite Institute created an Ignite specific curriculum guide to meet the needs of all scholars attending the school. Scholars are accepted from the Northern Kentucky Region, creating the need for one curriculum guide for scholars, staff, and administration at Ignite to access for the purposes of efficient school functioning. The curriculum guide outlines courses taught at the Ignite Institute, industry certifications offered, and dual credit courses.

FISCAL/BUDGETARY IMPACT:
None

RECOMMENDATION:
Approval of the 2021-2022 Ignite Institute student curriclulum guide for use with Kenton County scholars.

CONTACT PERSON:
Julie Whitis, principal, Ignite Institute

Principal	*District Administrator*	*Superintendent*

Use this form to submit your request to the Superintendent for items to be added to the Board Meeting Agenda.
Principal –complete, print, sign and send to your Director. Director –if approved, sign and put in the Superintendent's mailbox.

IGNITE INSTITUTE

at Roebling Innovation Center

Curriculum Guide

2021-2022

37 Atlantic Avenue Erlanger, Kentucky 41018 Office: 859-817-3570 www.igniteinstitute.org

“Care First, Then Teach”

It’s easy to be swept away by the ever-increasing demands in education. Declining budgets and increased curricular expectations cultivate an environment where teachers are forced to focus on producing more with fewer resources. This pressure can be overwhelming and may result in a stressed-out teacher who has little time and energy to focus on anything but content.

Our philosophy, **“Care first, then teach”** originated after watching the scenario above evolve over time. Even the best of teachers can get caught in the content-only mentality, losing sight of why they entered the profession of education. The Ignite Institute uses the “Care first, then teach” motto so we all may be reminded that caring is more important than teaching.



To appreciate our scholars and connect to them in a meaningful way, we must understand them. Jean Twenge (2017) researched the current generation of students, specifically those who were born 1995-2012. These students are the first generation to spend their entire life with technology and may spend 5-6 hours daily on a device texting, gaming, chatting, web surfing, and hanging out online. Online content is creating unrealistic expectations about happiness and body image, among other things, and provides more opportunities to feel left out. These interactions and prolonged exposure are making teens lonelier, more anxious, more depressed, and are even increasing instances of cyberbullying and teen suicides.

As educators, we must strive to address these generational needs. Our schools must be a place of understanding and compassion. Students should feel loved, supported, and that their school is a safe place where they can be themselves. By making scholars feel they are part of our family, we are teaching them that in-person relationships are important and that they are valued as individuals. Most importantly, they discover their ability to be great and become even more willing to learn in order to reach their goals.

Instead of focusing on data, we focus on the individual. We have learned, through our experience of caring first, that test scores will take care of themselves as long as the scholars have teachers who believe in them. More importantly, our scholars know they have an adult advocate who is supportive and will look out for their best interests.

Twenge, J. (2017). iGen: Why today’s super-connected kids are growing up less rebellious, more tolerant, less happy—and completely unprepared for adulthood—and what that means for the rest of us. New York, NY: Atria Books.

Business Integration

The Ignite Institute will offer scholars a truly unique school experience because of the exposure scholars will get to regional businesses. One of the core promises that was made to Toyota when the school building was donated was that the Ignite Institute would serve to prepare a pipeline of trained, competent workers to the region. To fulfill this promise, the Ignite Institute has developed a unique structure to maximize business integration alongside academic achievement.

Every week, scholars have two "production days" where the school schedule at the Ignite Institute gives scholars and teachers flexibility to collaborate with business and industry partners. On these days, regional companies will have their opportunity to work with Ignite Institute scholars. The business partners can customize the manner in which they want to work with scholars, but these interactions will generally fall under one of three categories: **business mentorship, real-world projects,** and **workforce training.**

Business Mentorship: The Ignite Institute will always engage local industry to discuss their current workforce needs while inviting businesses in to be a part of the training. This mentorship from companies will be invaluable to Ignite scholars. The business may choose the topics in which they mentor, but these options may include earning industry certifications, skills training, career planning, and many more.

Real-World Projects: Regional industry members will be able to work with our scholars to create real solutions to real problems that those companies face. The Ignite Institute has created the twice-weekly structure to allow sufficient time for scholars and industry partners to work together on real projects that the companies need completed. These real-world experiences give scholars the opportunity to apply their knowledge and critical thinking skills to genuine problems that need to be solved. Depending upon the nature of the project, local businesses may come to the school to continuously work with the scholars, check in occasionally to see what the scholars have created, or facilitate digital meetings with scholars.

Workforce Training: Further business integration will happen towards the end of a scholar's time at the Ignite Institute. The schedule for seniors at the Ignite Institute is flexible and will be designed individually to personalize the senior year experience for the needs of the scholar. One important component of the senior year is the academic internship. Scholars will have the opportunity to become interns at regional companies to gain valuable insight and experience into their future career. Before high school graduation, each scholar will have the opportunity to spend 400+ hours with regional companies learning on-the-job skills. This is a key element of the workforce pipeline for the region, as our high school scholars will begin networking with local businesses.

General Ignite Philosophy
Each college uses a motivational teaching method where the lines between "technical" and "academic" are deliberately blurred. All scholars will use technology to research, produce, and present across disciplines. Much of the class work is project-based and incorporates real-world application.

Curriculum Integration
Real world issues are integrated into Ignite Institute curricula by working in teams, and by studying real questions and themes that cut across academic disciplines. Teachers collaborate within a college to develop coherent programs by intersecting their curricula wherever possible. Each college offers four core courses, a Spanish course, and a career course that are taught with an emphasis and "flavor" of the career course. Each core content class covers the same curriculum and standards as the core content classes taught at a traditional high school. However, the Ignite Institute core content classes are unique because they are taught by integrating the topics taught in the career class.


Computer Science scholars presentation

What is offered in each Ignite Institute College?
The Ignite Institute Colleges offer scholars the opportunity to earn the same credits required for graduation as their home high school. Scholars have seven different colleges in which to apply. Scholars will attend their specific college at the Ignite Institute for the whole day while taking classes in the following areas: Career, English, Mathematics, Science, Social Studies, and Spanish. The available colleges for the 2021-22 school year are Biomedical Sciences, Computer Science, Design, Education, Engineering, Pre-Nursing, and Logistics (juniors/seniors only).

Ignite Institute classes are different
The Ignite Institute philosophy is that personalized learning makes the high school experience motivating. Each college consists of six to seven highly skilled teachers who collaborate with their teacher team to intersect their respective disciplines and create meaningful relationships with their scholars. Each area of concentration is equally important in the scholars' overall educational experience. We believe in the value of authentic teaching using hands-on project-based, inquiry-based, and performance-based education. This method provides scholars a high-quality broad-based education that will serve them well in all phases of life.

Who can join the Ignite Institute?
The Ignite Institute at Roebling Innovation Center has scholars that range from 9th grade to 12th grade. Scholars from any regional public high school may apply. We encourage scholars with interests in the STEAM (Science, Technology, Engineering, Arts, and Mathematics) disciplines to apply. Currently scholars must be enrolled at a Boone, Kenton, or Walton Verona School district high school in order to attend.

The Ignite Institute Report Card is different
Parents have the opportunity to discuss their scholars' progress with their teachers during parent-teacher conferences. We want each scholar to work towards a "School to Career" thought process. Our scholars learn what professionals refer to as "soft skills" as the Ignite Institute sees them as "professional habits" that are part of the learning process. The scholar report card consists of 70% content and 30% professional habits.

Our professional habits curriculum, include lessons centered around:

Public Speaking
Responsibility
Research
Collaboration



What are the requirements for joining the Ignite Institute?
Scholars are selected based on their willingness to work hard and their interest in a particular career field. ***There is no specific GPA requirement to be accepted to the Ignite Institute.*** In addition, scholars with IEP and 504 plans are always welcome. Scholars are admitted using the application criteria found in the scholar handbook and will be considered based on availability. Interested scholars are encouraged to apply as soon as possible because of limited space in each college.

Ignite Institute colleges are year-long programs
It is important for parents and scholars to know that the Ignite Institute is a year-long program. While we cover all the content that is included in core classes at the home high schools, we add components such as research and working with professionals in their chosen career field. The Ignite Institute also offers all required state assessments that scholars take at the traditional high schools.

Scholars scheduled for Ignite Institute classes are encouraged to remain for the entire year. Our classes are taught year-long, and students benefit the most from our classes if they are allowed to develop their skills over this time. A current scholar's spot at Ignite is guaranteed for the following school year provided they pass all of their classes and demonstrate acceptable behavior and attendance throughout the school year. If a scholar wishes to end their time at the Ignite Institute, we encourage them to do so at the end of the school year, in which case we work with the scholar to ensure they are enrolled at their home high school full time. If a scholar schedules out of Ignite Institute classes, their position in that college will be forfeited, and their spot will be given to a scholar on the waiting list.

If a scholar chooses a College at the Ignite Institute, they are not required to attend that College their entire high school career. The purpose of the Ignite Institute is to help scholars explore different career fields. If they find they are not interested in the career of the College they choose, they are encouraged to finish the school year in their current College. After that year, they are able to join a different College (depending on availability) or return to their home high school.

Can a scholar attend the Ignite Institute and play sports or participate in extracurricular activities?
Absolutely! The Colleges at the Ignite Institute are designed to enrich the scholar's high school experience! Our structure allows all scholars to participate in activities at their home high school. Because all Ignite Institute classes and travel take place during the school day, scholars are back at their home high school before the final bell rings dismissing scholars for the day. They can participate in extracurricular activities of their choice at their home high schools.

Will taking online courses affect my NCAA eligibility?
The Ignite Institute along with some of our feeder districts use Edgenuity curriculum for some online courses. Edgenuity courses and curriculum are developed by highly qualified teachers. Edgenuity courses allow us to personalize scholars' Individual Learning Plans based on their needs. However, a highly qualified teacher that is certified in that content area must work closely with the scholars during at least 50% of the course for that course to be approved by the NCAA. If a scholar plans to play Division I or Division II sports in college, the scholar's transcript must reflect 16 credits of core academic courses approved by the NCAA. If you are a scholar athlete, please consult with your school counselor in planning your coursework each year in your Individual Learning Plan, especially if you are considering doing any online coursework. Each year, a counselor at your high school submits the courses taught requesting approval from the NCAA. Your school counselor will know which courses are approved at your school.

How can the Ignite Institute help me make connections to professionals in college and career?
Each year, scholars at the Ignite Institute complete a comprehensive semester-long or year-long project. This requires the application of the knowledge scholars learn in their core and career classes into a real-world situation. These projects are then presented in front of a panel of professionals in the scholars' field of interest, as well as local college and university professionals. These professionals have the opportunity to ask the scholars in-depth questions and provide feedback and guidance for their project(s) in the future. Additionally, during a scholar's senior year, these professionals may offer opportunities for an academic internship.

Is graduation different for scholars in the Ignite Institute?
No. Ignite Institute scholars will receive their diploma from their home high school and will attend graduation ceremonies with the traditional scholars at that school.

Transportation
Boone County scholars, Kenton County, and Walton Verona scholars can ride a bus to the Ignite Institute from their home high schools in the morning and then back to their home high school in the afternoon. Other participating regional schools and districts will provide a transportation plan for their scholars who wish to apply. Scholars may also drive themselves to and from school.


Engineering Scholars completing project research

What does a typical day at the Ignite Institute look like?*
The Ignite Institute schedule is designed to allow scholars, teachers, and business partners maximum flexibility in providing the best education possible for the scholars. The weekly schedule structure provides three core curriculum days (Monday, Wednesday, Friday) and two production days (Tuesday, Thursday).

Core Curriculum Days (Mon/Wed/Fri)
Courses on Monday, Wednesday, and Friday follow a traditional six period schedule.
During curriculum days, teachers have the flexibility to team-teach, co-teach, or teach individually to their classes during this time. Teachers are paired in each College to facilitate curriculum integration. The teachers will be instructing in such a way to allow scholars to see the connections between their paired class as well as how their class connects to the career pathway in their College.

Production Days (Tue/Thu)
Tuesdays and Thursdays are structured around a four-block schedule. The teachers and scholars will come up with a plan on how to most effectively use these two days to ensure scholars success. Teachers can facilitate remediation for scholars on these days or continue to provide new instruction centered around their content. Scholars, teachers, and business partners will also be able to hold research meetings for their year-long projects, conduct business meetings with their professional mentors, and participate in lessons that teach "professional habits". Finally, production days may be used to work on college classes or graduation electives.

Ignite Scholar Expectations

Scholars at the Ignite Institute are held to high expectations. These expectations are intended to help scholars realize their self worth, to build confidence, and to help prepare them for the workforce. Scholars accepting a position at the Ignite Institute agree to the following:

- Complete the application to return by the designated due date
- Pass all classes in accordance with Ignite and their home high school's grading policies
- Have no more than 12 tardies and 12 unexcused absences
- Do not participate in any serious and/or repeated behavior incidents
- Orally present their YLP at the designated time in both the Winter and Spring session

Scholars at the Ignite Institute will meet all Kentucky Department of Education standards, guidelines, and requirements for graduation.

Please see the following website for more information.
https://education.ky.gov/curriculum/hsgradreq/Pages/default.aspx

APPLY TODAY!

How do I apply?
Anyone wishing to be an Ignite scholar must fill out an application. Scholars can do this using the following application link: https://igniteinstitute.smapply.io/prog/ignite_app2020/

For more information on the Ignite Institute, or to schedule a tour, please contact any of the following by email:

Dr. Julie Whitis, Principal	julie.whitis@boone.kyschools.us
Mr. Jerry Gels, Principal	jerome.gels@boone.kyschools.us
Mr. Brian Noll, Assistant Principal	brian.noll@boone.kyschools.us
Ms. Amanda Bardo, Counselor	amanda.bardo@boone.kyschools.us
Mrs. Michelle Light, Counselor	michelle.light@boone.kyschools.us
Mr. Don Black, Instructional Coach	don.black@boone.kyschools.us
Mr. Chris Bryson, Internship Coordinator	chris.bryson@boone.kyschools.us
Mrs. Lori Knapp-Lindsay, College and Career Coach	lori.knapp-lindsay@boone.kyschools.us

Ignite Institute Colleges

Biomedical Sciences
Computer Science
Design
Education
Engineering
Pre-Nursing
Logistics

Extremely Important Notice:

- *Please note that the pathways below are **examples** of what scholars **may** take their freshman-senior year at Ignite. Courses may change based on availability and scholar demand.*

- *Scholars take courses at Ignite in cohorts. Pathways are designed to meet the needs of all scholars in the cohort.*

- *Some dual credit courses listed below will be online only depending on staff availability.*

Ignite Course Framework

The cohort nature of Ignite programs means most courses are predetermined for scholars.
All Dual-Credit classes listed below are provided through an Ignite college partner and must be paid for by the scholar.

Freshman Year

- English 1
- Social Studies - Government
- Science
  - Integrated Science (Comp. Sci., Design, Education, & Engineering)
  - Biology (Biomedical & Pre-Nursing)
- Career Class 1
- Math
  - Algebra 1, Geometry, *or* Algebra 2
- Elective (required)
  - Spanish 1 *or* Spanish 2 (non-Design only)
  - Art 1 (Design only)

Sophomore Year

- English 2
- Social Studies - World Civilization *or* HIS 101 & 102
- Science
  - Biology (Computer Science, Design, Education, & Engineering)
  - Chemistry (Biomedical & Pre-Nursing)
- Career Class 2
- Math
  - Geometry, Algebra 2, *or* Precalculus
- Elective (required)
  - Spanish 2 *or* SPA 101 & 102 (non-Design only)
  - Art 2 (Design only)

Junior Year

- English 3 *or* ENG 101 & 102
- Social Studies - US History *or* HIS 108 & 109
- Science
  - Chemistry (Comp. Sci., Design, Education, & Engineering)
  - Integrated Science A + CHE 130 &135 (Pre-Nursing)
  - Integrated Science A + CHE 170 &175 (Biomedical Sciences)
- Career Class 3
- Math
  - Algebra 2, Precalculus, *or* Dual Credit math
- Elective (required)
  - SPA 101 & 102
  - Art 3 (Design only)

Required Online Courses (offered only through Edgenuity and must be complete before Senior year)

- Health and Physical Education
  - Recommended Freshman Year
- Visual and Performing Arts (Non-design scholars)
  - Recommended Sophomore Year

Senior Year

- Senior Academic Seminar (course designed to prepare seniors for life after high school)
- Academic Internship aligned with their career pathway
- College courses to work towards General Education Certificate or Associate's Degree

- Complete any high school graduation requirements

Biomedical Sciences Pathway



The courses are designed to give scholars the requisite skills to pursue a career in the field of Biomedical Sciences. Scholar work involves the study of human medicine, research processes, and an introduction to bioinformatics. Scholars investigate the human body systems and various health conditions including: heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. Scholars design innovative solutions for the health challenges of the 21st century.

Biomedical Sciences Career Courses
9th - Principles of Biomedical Sciences
10th - Human Body Systems
11th - Medical Interventions
12th - Biomedical Innovations

Career Dual Credit Options (Offered through Gateway):
Medicaid Nurse Aide

Industry Certifications Offered:
NOCTI Biotechnology
Medicaid Nurse Aide (Dual Credit course and certification)

Computer Science Pathway



These courses will empower students to develop computational thinking skills while building confidence in their technological capabilities. Scholars use Python® as a primary tool, while they explore and become inspired by career paths that utilize computing, discover tools that foster creativity and collaboration, and use what they've learned to tackle challenges like app development and simulation. Scholars collaborate to create original solutions to problems of their own choosing by designing and implementing user interfaces and Web-based databases, as well as creating a game for their friends or an app to serve a real need in the their community.

Computer Science Career Courses:
9th - Computer Science Essentials
10th - Computer Science Principles
11th - Computer Science Applications/Cyber Security
12th - Computer Science Capstone

Career Dual Credit Options (Offered through Thomas More):
CIS 113 Computer Applications and Hardware
CIS 114 Introduction to Programming I with Lab
CIS 115 Introduction to Programming II with Lab
CIS 231 Foundations of Networking
CIS 267 Database 1

Industry Certifications Offered:
Certiport Digital Literacy IC3
Microsoft Technology Associate

Design Pathway



The College of Design is an industry certification program that consists of six different courses—Introduction to Visual Communications, Introduction to Media Arts, 2-D Design, Moving Image Animation, Interactive Design, Advanced Production. Courses expose scholars to the multimedia materials, processes, professional habits, and technical skills required for employment in the Design industry. Scholars will explore design software, art media, professional relationships, studio operations, cross-curricular connections, and more! They will create a portfolio of work which demonstrates inquiry through art and design, as well as the development of materials, processes, and ideas over the course of a year. Portfolios include design projects, process documentation, and written information about the work presented.

Design Career Courses:
9th - Introduction to Media Arts
10th - Moving Image Animation
11th - Interactive Design
12th - Virtual Design

Industry Certifications Offered:
Adobe Certified Associate: Photoshop, Flash, & Illustrator

Education Pathway



The Education Pathway is designed to immerse scholars in the field of education by exploring careers in counseling, teaching, administration, and other support roles in the school system. Scholars will engage in activities designed to uncover their abilities and interests in becoming an educational professional. The courses help scholars understand how today's scholars learn. Topics include, but are not limited to: child psychology, lifespan and developmental psychology, multiple intelligences, and Bloom's Taxonomy. The courses also explore teaching techniques and strategies as they apply to 21st century inquiry-based learning.

Education Career Courses
9th - Education Basics
10th - Students Today
11th - The Art of Teaching
12th - Collaborative Clinical Experience

Dual Credit Options (Offered Through NKU College of Education):
EDU 104 Orientation to Education
EDU 294 Special Topics in Education
EDU 300 Human Growth and Development
EDU 305 Introduction to Education
EDU 316 Racism and Sexism in Education

Industry Certifications Offered:
Praxis CORE

Engineering Pathway



The courses teach problem-solving skills by engaging scholars in the engineering process. Models of product solutions are created, analyzed, and communicated in a variety of ways including the use of solid modeling computer design software. In addition, scholars use 3D design software to design and document solutions for major course projects. Exploring various technology systems and manufacturing processes help scholars learn how engineers and technicians use an engineering problem solving process to benefit society.

Engineering Career Courses
9th - Introduction to Engineering Design
10th - Principles of Engineering
11th - Computer Integrated Manufacturing
12th - Engineering Design and Development

Industry Certifications Offered:
Autodesk Inventor Certified User

Pre-Nursing Pathway



This pathway prepares individuals for admission to a professional program in nursing. This pathway focuses on caring for residents in a long-term care facility. It is designed to promote an understanding of standard precautions necessary for personal and professional health maintenance and infection control. By relating terms to body systems, students identify proper use of words in a medical environment. Knowledge of medical terminology enhances the student's ability to successfully secure employment or pursue advanced education in health care.

Allied Health Career Courses
9th - Principles of Health Science
10th - Emergency Procedures & Medical Terminology
11th - Medicaid Nurse Aide (Dual Credit)
12th - Allied Health Internship

Industry Certifications offered:
Medicaid Nurse Aide (MNA)

Aviation Logistics Pathway (Juniors/Seniors only)



The Ignite Institute is offering a half-day Aviation Logistics program for scholars who are interested in a career at our own Northern Kentucky/Cincinnati Airport. Scholars attending this program will take Math, English, and Logistics courses at the Ignite Institute their **junior and senior** year in high school, ending with an internship at the airport the second semester of their senior year.

Scholars in the Aviation Logistics program at Ignite will remain at their home high school half a day and will be transported to Ignite for the second half. Logistics scholars will complete the following 4 courses during their junior and senior years:

Introduction to Logistics (First Semester, Junior Year)
This course is designed to introduce scholars to the field of logistics and air transport. Scholars will learn about flight operations, system operations, aircraft maintenance, as well as the history of major CVG airport employers such as Atlas Air, DHL, Southern Air, Polar, and many more.

Concepts in Logistics (Second Semester, Junior Year)
This course teaches scholars the principles of business management, global geography, and cultural aspects of working in a field that operates with the rest of the world.

Advanced Logistics (First Semester, Senior Year)
This course allows scholars to really dive deep into high paying careers at CVG. In addition, scholars in this course will learn the basics of airport logistics such as airport codes, parts of our airport, and how the airport impacts the economics, politics, and social happenings in our region. Scholars choose their internship at the end of this course based on their interest areas.

Logistics Capstone (Second Semester, Senior Year)
This course is on-the-job training. Scholars map out their career at the airport and begin building their future career. Logistics Capstone scholars will also complete airport training required to advance in the field.

*Scholars who wish to join the program their senior year will begin with Advanced Logistics.

IGNITE INSTITUTE
at Roebling Innovation Center

Dual Credit Courses

Dual credit courses are college courses that also count for high school credits. These are available to sophomore, junior, and senior scholars. Ignite's dual credit courses count for high school graduation requirements and/or qualify as general elective credits for any college or university a scholar might attend in the future. Courses are offered through Gateway Community and Technical College, Thomas More University, and Northern Kentucky University. All courses, regardless of the college that offers them, will be eligible for use toward an Associate's degree from Gateway. Scholar eligibility to take dual credit courses will be based on multiple factors, including, but not limited to, ACT scores, teacher recommendation, scholar performance, and scholar grade level.

Tuition Cost and Payment Information

Scholars are responsible for the cost of each course at the Kentucky dual credit tuition ceiling rate, which is currently $216 per 3-hour course plus textbooks. This will be paid directly to the institution.

Financial Assistance

Scholars may elect to apply for the

- Kentucky Dual Credit Scholarship.
    - This scholarship applies to juniors and seniors and is limited, therefore not guaranteed. Funding is based on the Kentucky Department of Education. Scholars will be sent more information about this once they are enrolled in a course.
- Work Ready Kentucky Scholarship Program
    - The Work Ready Kentucky Scholarship (WRKS) helps Kentuckians who have not yet earned an associate's degree afford an industry-recognized certificate or diploma. The WRKS program is available to college students and certain high school students who are enrolled in college coursework. Scroll down to see the high school student requirements.

There are 3 ways to take dual credit courses through Ignite:

1. **Replace Core Courses** during your normal six-period day schedule with dual credit courses. This is possible in the following ways:
    - English 3 and English 4 can be replaced with English 101/102
    - World Civilizations can be replaced with History 101/102
    - US History can be replaced with History 108/109
    - Spanish 1 and Spanish 2 can be replaced with Spanish 101/102
    - Chemistry can be replaced (Pre-Nursing and Biomedical Only) with:
        - CHE 130 and 135 (semester 1) CHE (semester 2) for Pre-Nursing scholars
        - CHE 170 and 175 (semester 1) CHE (semester 2) for Biomedical scholars
2. **Production Day Dual Credit Courses** are offered both semesters on Tuesdays and Thursdays. Scholars are able to choose which courses to sign up for on production days. It is recommended that scholars take no more than two per semester as these courses are IN ADDITION to the typical course load.

3. **Senior year cohorts** will be placed into dual credit courses through a cohort model that is determined by the needs of the scholars.

Associate's Degree Recommended Plan

Scholars are able (but not required) to complete 60 college credit hours through dual credit courses in the categories outlined by Gateway Community and Technical College. Ignite uses Gateway's S.M.A.R.T. plan to ensure scholars will be awarded an Associate's Degree. Two degrees are offered, an Associate in Arts (AA) and an Associate in Science (AS).

As you can imagine, fitting all courses needed to earn an Associate's degree as well as those needed for high school graduation can be challenging. We have made the following recommendations to assist you in this process.

The first step towards earning an Associate Degree is to replace core high school courses with dual credit courses during the sophomore and junior year.

Sophomore
- World Civilizations course is replaced with dual credit HIS 101 and HIS 102
- If Spanish 2 has already been completed, take SPA 101/102

Junior
- English 3 will be replaced with ENG 101/102
- Take SPA 101/102, if not taken as a sophomore
- Chemistry will be replaced with
    - CHE 130 and 135 for Pre-Nursing scholars
    - CHE 170 and 175 for Biomedical scholars

The second step towards earning an Associate Degree is to enroll in extra dual credit courses during production days.

Production Day College Courses (Offered Every Semester)

These courses are needed by both the Associate of Arts and the Associate of Science:

Sophomore Year
Tuesday/Thursdays
One course each semester (both courses will be offered both semesters)
- COM 181 (Communications)
- ART 100 (Humanities)

Junior Year
Tuesday/Thursdays
Two courses each semester (all courses will be offered both semesters)

- CIT 105 (Digital Literacy) ONLINE Asynchronous
- PHI 250 (Quantitative Reasoning)
- STA 251 (Quantitative Reasoning)
- POL 101 (Social and Behavioral Sciences)
- PSY 110 (Social and Behavioral Sciences)

*Scholars who wish to earn an Associate Degree will need to complete these 8 courses. It is recommended that this happens BEFORE their senior year.

The third step is to complete the degree by taking the following dual credit courses their **senior year** along with their Academic Internship. These courses will be decided for each scholar and will be offered in a cohort model. Scholars may take more or less of these courses depending on their previous coursework.

Associate's in Arts

- Quantitative Reasoning (Senior math to be determined by the cohort model)
- Natural Science course w/Lab, TBD
- POL 235
- SOC 101
- Dual credit course through their Ignite College (Design, Computer Science, Education)
- Elective

Associate's in Science

- Quantitative Reasoning (Senior math to be determined by the cohort model)
- Elective

- BIO 114 w/Lab for Medical Majors
- BIO 115 w/Lab for Medical Majors
  OR
- Physics 1 for Engineers
- Physics 2 for Engineers

Scholars and Parents are responsible for making sure all courses are taken to earn the Associate Degree.

For more information, contact our College and Career Coach, Mrs. Knapp-Lindsay at lori.knapp-lindsay@boone.kyschools.us

Academic Internship Program

WHAT…*is an academic internship?* An academic internship is a type of "work-based learning experience program" for high school scholars who have completed extensive school-based preparation relating to an identified area of career and academic interest. To participate in an academic internship a scholar must be invited by a mentor/business. The internship can vary in length and could lead to course credit if all criteria are met.

WHO…i*s involved?* Seniors, teachers, business and industry partners, and advisory board members.

WHEN…*is this going to take place?* An academic internship may be a component of a scholar's schedule during their high school career. The scholar may also receive high school credit for the academic internship, and the amount of credit to be awarded will be determined by the school according to the goals, skills, and learning experiences during the internship.

WHERE…*is this going to take place?* The academic internship will take place at the training site of the mentor. The scholar will begin an academic internship only after being invited by the mentor.

WHY…*is this important?* Academic internships give scholars opportunities to explore careers via workplace learning experiences and to benefit from interdisciplinary-based education. Scholars have opportunities to learn about the world of work and to develop useful skills and attitudes.

HOW…*to get started?* The scholar must be invited by a mentor to participate in an academic internship, and the Academic Internship Coordinator will help to facilitate this for the mentor and the scholar. If a scholar wants a specific internship, they should talk to Chris Bryson for assistance in seeking out the internship.

All academic internships will be designed on an individual basis to meet the needs of each scholar.

For questions about the Academic Internship Program, contact Chris Bryson, Internship Coordinator, at 859-817-3570 or chris.bryson@kenton.kyschools.us

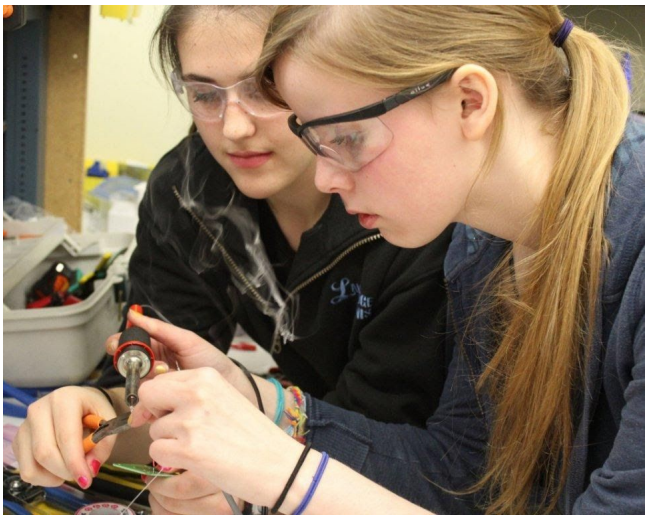
IGNITE INSTITUTE
at Roebling Innovation Center

DRAFT

DRAFT

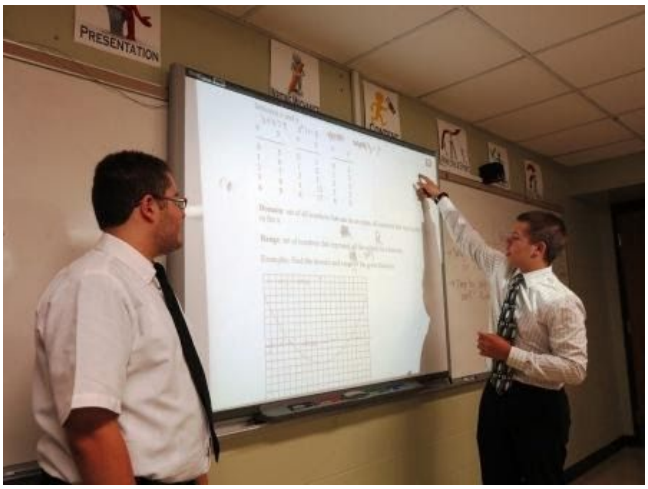

EXIT
2010-2011
FCCTC
S
A










PRESENTATION