

**KIPP:NEWARK**  
HIGH SCHOOLS

2021-22 HIGH SCHOOL

**COURSE**  
**ATHLETIC**  
**CLUBS**  
**GUIDE**

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# LETTER FROM OUR EXECUTIVE DIRECTOR

KIPP NJ Middle School Families:

We are excited to launch high school enrollment at KIPP New Jersey! As you know, at KIPP, we always talk about the importance of team and family. We follow our eighth grade graduates through high school and provide college and career support because we believe in doing everything we can to support our students to-and-through. We know families have many options for high school, and we want to share with you why we believe our KIPP New Jersey high schools are well positioned to prepare students for college and choice-filled lives.

This is my first year as Executive Director for all of New Jersey, after nearly 20 years in the organization and many as Executive Director in Camden. With that said, a few things have never changed in my time at KIPP. Data shows that eighth grade KIPPsters who attend a KIPP high school are more likely to graduate from high school, enroll in college, and persist in college completion than those who attend a non-KIPP high school. I am proud to work at the best school system serving the students of Newark and Camden.

## About our KIPP Newark High Schools:

- Since its opening in 2007, KIPP Newark Collegiate Academy has seen more than 800 students off to college and holds the distinction of sending more African American students to four-year colleges than any other high school in the city.
- In 2019, we opened our second high school, KIPP Newark Lab High School, which is actively preparing its scholars for college and career success through intentional integration of design into students' academic experience.

At all of our KIPP New Jersey high schools, students will have access to:

- Dual Enrollment Courses through the National Education Equity Lab giving students the opportunity to earn several college credits from some of the most prestigious universities in the country including Howard University, Wharton Business School (UPENN), and Stanford University
- Rigorous summer pre-college programming opportunities
- Career and College counseling beginning their junior year
- High-quality, rigorous, and free ACT preparation beginning in ninth grade
- Athletic teams who have competed and won at the district and state championship levels
- Extra-curricular clubs and activities meant to help students find their passion and purpose

We are so excited to support our KIPPsters as they make this next important transition from middle school to high school while climbing the mountain to college. Our high school teams look forward to meeting our middle school students and families, and to making great memories over these exciting four years!

All the best,  
Drew Martin  
*Executive Director, KIPP New Jersey*



# ABOUT KIPP:NEWARK

KIPP Newark schools are part of the nationally recognized “Knowledge Is Power Program” nonprofit network of college preparatory, public charter schools educating elementary, middle, and high school students. KIPP has been around since 1994 and is the largest group of charter schools in the country. As part of the KIPP network, KIPP Newark schools, educators and students benefit from the ability to leverage best practices from KIPP schools across the nation.

In 2002, KIPP Newark first opened its doors in Newark’s South Ward as a single class of 80 fifth graders and has since grown to 14 schools that teach over 5,600 students in grades K-12. By offering highly effective educators with strong bonds to families, services that support a variety of student needs, and a culture focused on achievement, our students are on the path to and through college. In fact, KIPP Newark alumni earn college degrees at more than three times the national average for students from low-income families.

Student safety and wellness is a top priority at KIPP Newark. Our schools are proud to partner with community organizations to offer comprehensive wraparound services for students and families including mental and social emotional support services, after school programming, grocery distribution, family engagement events and more.



# KIPP:Forward

## Supporting KIPP Alumni Through College, Career & Beyond

KIPP Forward (formerly known as KIPP Through College) is our innovative program that supports KIPP students as they navigate high school and choose and prepare for the college and career paths that fit their goals and sense of purpose. Throughout 9th - 12th grade, KIPP NJ high schoolers and families work with our **KIPP Forward College and Career Counselors** to identify, apply for, and enroll in a college and or program that is a strong match academically, socially, and financially in order to set them up for on-time graduation.

In the spring of senior year, KIPP high school students are matched with a **KIPP Forward Alumni Counselor**. Alumni Counselors help ensure our alumni keep moving forward, tackling academic, social, and financial challenges they might encounter, and helping position them to attain their career of highest aspiration.

Through the **KIPP Alumni Network**, our KIPP family is creating powerful connections and ascending together with networking, mentorship, leadership training, and more. Across the country, KIPPsters are earning degrees and certifications, building businesses, reforming policy, serving their communities, and rising through the ranks of companies and organizations throughout the nation.

### KIPP FORWARD PROGRAM HIGHLIGHTS

Throughout high school, our students engage in a variety of activities and workshops designed to ensure they learn the skills and mindsets necessary to identify and work toward their career of highest aspiration. Students who attend a KIPP high school will have access to:

- College & Career Readiness Seminar courses that provide career exploration and exposure opportunities as well a College Knowledge and Career Success curriculum
- College and career program exposure events, including visits and fairs
- A College & Career Counselor that will help them through the application process during their senior year (with ~80:1 ratio which is a lower ratio than most other high schools in the area which often exceed 100 students per caseload)
- One-on-one advising to help students choose best fit AP courses, dual enrollment classes, and ACT preparation opportunities to make their applications as competitive as possible for college and credentialing programs

### OUR RESULTS

Our data shows that because of these supports and other efforts at our high schools, **our middle school grads who attend a KIPP NJ High School are more likely to graduate from college within 4-6 years than their peers who choose to attend a different high school.**

Additionally, students from our KIPP high schools in Newark graduate college at more than 3x the rate of their peers.



# 2010-2021

## COLLEGE + CAREER PLACEMENTS

Academy of Art University

Albertus Magnus College

Albright College

Allegheny College

**American International College**

American University

**Amherst College**

**ASA College**

Ashford University

**Barnard College**

Barton College

Berkeley College - New York

Berkeley College - Woodland Park

**Bloomfield College**

**Boston College**

Boston University

Bowie State University

Bucknell University

Buffalo State SUNY

**Bunker Hill Community College**

**Caldwell University**

**California University of Pennsylvania**

Calvary Chapel Bible College

Camden County College

Catholic University of America

Cazenovia College

Cedar Crest College

**Centenary University**

Central Connecticut State University

**Cheyney University of Pennsylvania**

Christian Brothers University

**Clark Atlanta University**

Clayton State University

Clinton Junior College

Columbia University

Coppin State University

Cornell University

County College of Morris

Dartmouth College

**Delaware State University**

Dickinson College

Drew University

Duke University

East Mississippi Community College

Eastern Florida State College

Eastern Gateway Community College

Eastern International College

Emory University

**Empire Beauty School-Bloomfield**

Empire Beauty School- Cherry Hill

Empire Beauty School- Union

**Essex County College**

**Fairleigh Dickinson University** - Metropolitan

Fayetteville State University

**Felician University**

Fisk University

Florida A&M University

Franklin and Marshall College

Full Sail University

George Washington University

**Georgetown University**

Georgia Gwinnett College

Georgia Southern University

**Georgia State University**

Goucher College

Hampshire College

**Hampton University**

Haverford College

Hillsborough Community College

Hofstra University

Hollins University

**Howard University**

**Hopeworks 'N Camden**

**Hudson County Community College**

Immaculata University

Johnson & Wales University - Charlotte

Johnson & Wales University - Providence

Kean University

Kennesaw State University

Lafayette College

LIM College

Lincoln Technical Institute - Edison

**Lincoln Technical Institute - Union**

Lincoln University of Pennsylvania

Louisiana State University - Main Campus

**Loyola Marymount University**

**Lycoming College**

Marywood University

Mercyhurst University

**Miami Dade College**

**Middlesex County College**

**Monmouth University**

**Montclair State University**

**Morehouse College**

**Morgan State University**

Mount Holyoke College

Mount Marty College

Muhlenberg College

**New Community Workforce**

**Development Center**

**New Jersey City University**

New Jersey Institute of Technology

New York Film Academy

New York University

North Carolina A & T State University

Northampton County Area CC

Northeastern University

Norwich University

Oberlin College

Occidental College

Ohio Dominican University

Ohio State University-Main Campus

Olivet College

Opportunity College

Our Lady of the Lake Univ-San Antonio

Parisian Beauty School

Passaic County Community College



# 2010-2021

## COLLEGE + CAREER PLACEMENTS

### **Penn State - Abington**

Penn State - Harrisburg

Penn State - Hazleton

Penn State - Schuylkill

Pennco Tech

Prince George's Community College

### **Ramapo College of New Jersey**

Raritan Valley Community College

Rensselaer Polytechnic Institute

Rider University

Rowan College at Burlington County

### **Rowan College of South Jersey**

### **Rowan University**

### **Rutgers University - Camden**

Rutgers University - New Brunswick

### **Rutgers University - Newark**

Sacred Heart University

### **Saint Elizabeth University**

### **Saint Peter's University**

Saint Vincent College

Seton Hall University

Shaw University

### **Shippensburg University of Pennsylvania**

Smith College

South Carolina State University

Southern New Hampshire University

Spelman College

St. John

Stanford University

### **Stevens Institute of Technology**

Stevens-Henager College - Ogden

Strayer University - District of Columbia

Sussex County Community College

Swarthmore College

Syracuse University

### **Temple University**

### **The College of New Jersey**

### **The Richard Stockton College New Jersey**

The University of Tampa

Thomas Edison State College

Towson University

Trinity Washington University

### **Union County College**

University of Baltimore

University of Bridgeport

University of Connecticut

University of Delaware

University of Hartford

University of Kentucky

University of Miami

University of Nevada-Las Vegas

University of New Haven

University of North Carolina - Chapel Hill

### **University of North Carolina - Greensboro**

### **University of Notre Dame**

University of Pennsylvania

University of Phoenix - Jersey City Campus

University of Richmond

University of South Carolina - Columbia

University of Tulsa

University of Virginia - Main Campus

Ursinus College

Vaughn College of Aeronautics & Tech

### **Villanova University**

Virginia State University

Wagner College

West Virginia University

Western Connecticut State University

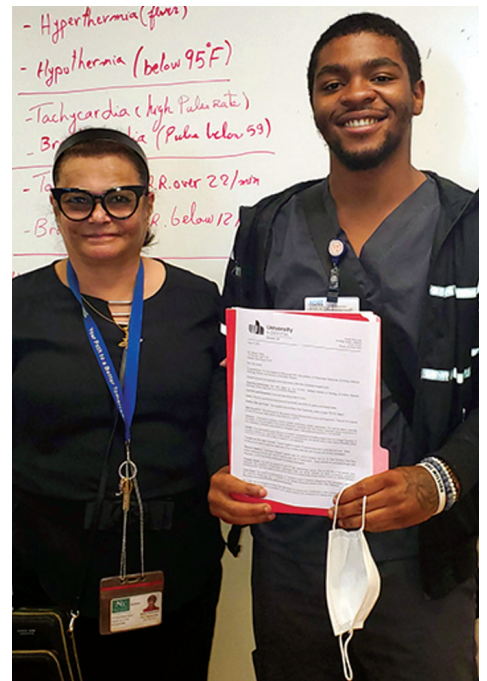
### **Western Michigan University**

William Paterson University of NJ

### **Xavier University of Louisiana**

Year Up Jersey City

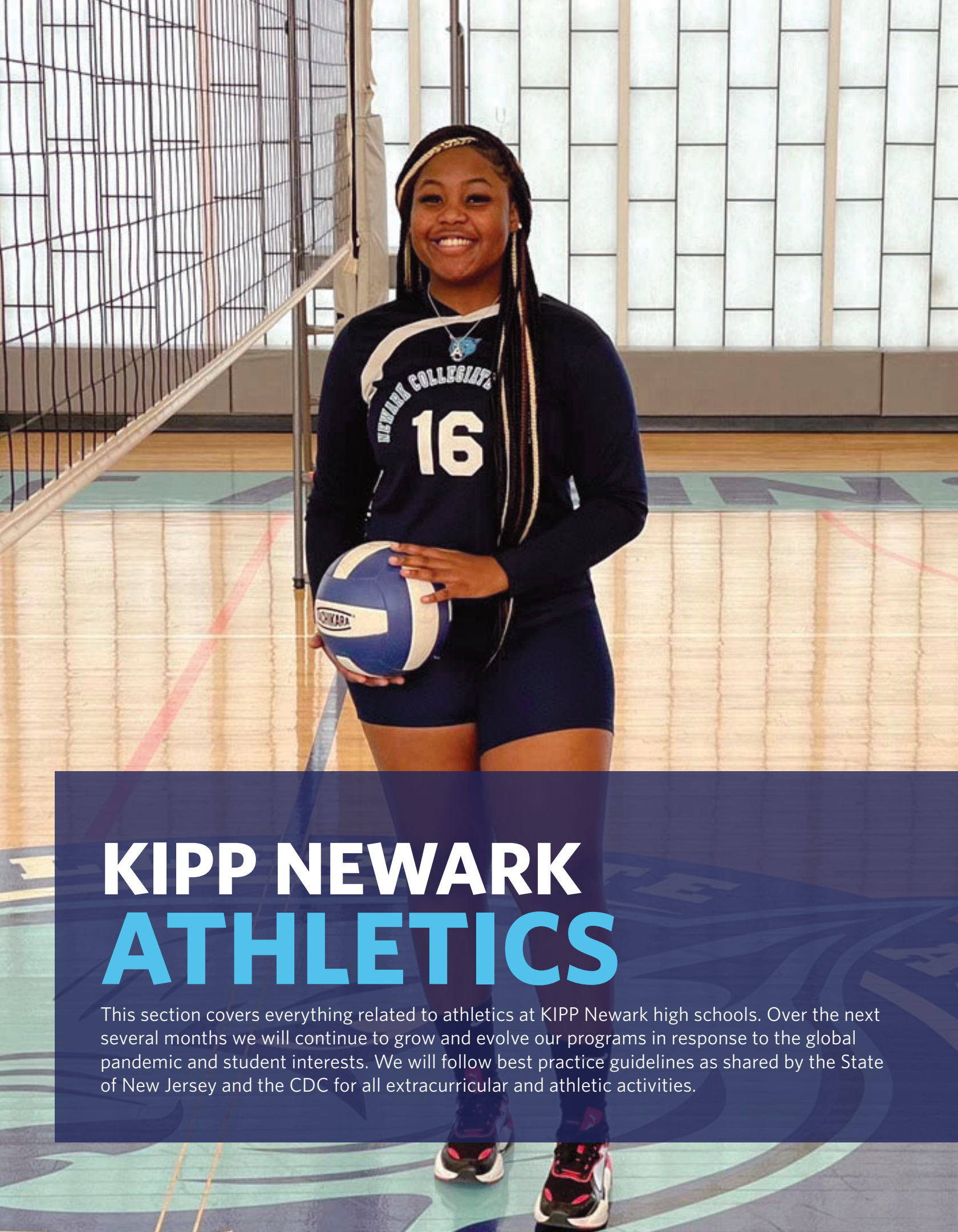
### **YTTW - New Jersey Health Care Employers**











# KIPP NEWARK ATHLETICS

This section covers everything related to athletics at KIPP Newark high schools. Over the next several months we will continue to grow and evolve our programs in response to the global pandemic and student interests. We will follow best practice guidelines as shared by the State of New Jersey and the CDC for all extracurricular and athletic activities.

# ATHLETICS

At both high schools, we are proud to offer cheerleading and a variety of varsity, junior varsity, freshman and intramural sports giving as many students as possible an opportunity to remain active and compete at different levels.

## FALL

Varsity Football  
Varsity Girls Volleyball  
Varsity Boys Soccer  
Varsity Cross Country  
Cheerleading

## WINTER

Girls Varsity & JV Basketball  
Boys Varsity, JV & Freshman Basketball  
Varsity Girls & Boys Indoor Track  
Varsity Boys & Girls Wrestling  
Cheerleading

## SPRING

Girls & Boys Varsity Outdoor Track  
Cheerleading  
Boys Club Volleyball  
Intramural Volleyball, Basketball,  
Soccer, & Tennis  
Flag Football

### **GIRLS VARSITY & JUNIOR VARSITY BASKETBALL**

The NCA Panther varsity girls' basketball team completed its most successful season ever during the 19-20 school year. They won the most regular season games ever, qualified for and won a game in the county tournament, and qualified for the state championship and won its first-ever home state play-off game. Girls' Basketball also has a Junior Varsity team (JV) which competed in the Essex County tournament and won its first ever county tournament game. The Lady Panthers compete in KIPP Newark High Schools' holiday basketball tournament each season over Christmas break and have won the Winter Classic for 3 consecutive seasons! Not only do they compete, though, they have won the winter classic for 3 consecutive seasons!

### **BOYS VARSITY, JUNIOR VARSITY & FRESHMAN BASKETBALL**

The NCA Panthers compete in the Super Essex Conference and in the Freedom Division. Panther basketball has qualified for the state tournament for 4 consecutive seasons. The team won its first-ever home playoff game during the 19-20 season, after winning its first playoff game ever the year before. That same year, the boys' team also competed in KIPP Newark High Schools' Holiday Basketball tournament over Christmas break, qualified for the Essex County tournament for the last 2 consecutive seasons, and was the runner-up in the Essex County Tournament. For both Lab and NCA, basketball try-outs begin in November and the season begins in December.

### **CHEERLEADING**

Our Cheerleaders are the spirit squad of KIPP Newark high schools.. The Cheerleaders begin try-outs in May and start practicing for the season in August. Not only do the cheerleaders cheer for the football team and basketball teams, they compete in cheerleading competitions all over the state of New Jersey and perform at all pep rallies and events. The NCA cheerleaders have won back-to-back Essex County Championships.

### **GIRLS & BOYS VARSITY CROSS COUNTRY**

Cross Country is considered the "get in shape team." This team runs long distances and now will compete in the Super Essex Conference in the Colonial Division.

The cross country team at Lab had a very successful 2021 season, boasting the 8th best sophomore in the county based on the Essex County Coaches Invitational Race, and a JV girls team that medaled in that same race.

### **VARSITY FOOTBALL**

Our Panther football team moved to the varsity level 6 years ago and recently joined the North Jersey Super Football Conference. The Panthers have qualified for the state play-offs for 2 consecutive seasons and are only the 3rd Charter High School in New Jersey to have varsity-level football! Football players workout in our weight room most of the season and hold a football camp in August to get prepared for their first scrimmage and continue through the football season. The Panther football team plays all home games at School Stadium.





## BOYS SOCCER

The NCA boys' soccer team is a member of the Super Essex Conference, the soccer team will compete in the Colonial Division. The soccer team evolved from a club 5 years ago to a full varsity squad year and competed in the state tournament for the first time in 2018. This year, NHLS launched its boys' club soccer program. The soccer team begins practice in August and the season begins in September.

## GIRLS & BOYS TRACK AND FIELD TEAM

The NCA Track and Field team has been very successful over the last 3 years. Our track team has accumulated many medals in every level of competition. The track team was the first to ever win a State Sectional Championship for NCA and KIPP Newark High Schools.

The Track team has also had runners compete in the highest level of competition in track and field "Meet of Champions" where all of the top runners in the State compete. Our track team competes in such events as the hurdles, 100 yard dash, 400 meter dash, to name a few. Track is a year-round sport, with Cross-Country in the fall, in-door track in the winter, and outdoor track in the spring. NLHS is excited to launch it's Track and Field Team this Spring. The track team is a member of the Super Essex Conference and competes in meets throughout New Jersey and New York.

## GIRLS VOLLEYBALL

The Lady Panthers volleyball team is now a member of the Super Essex Conference, Freedom Division. The girls volleyball team moved to the varsity level 5 seasons ago. In the past 5 years the girls volleyball team has qualified for the state tournament, and competed last year in the Essex County Tournament for the first time in NCA History. The girls begin practice in August and the season begins in September and runs through November. Home matches are played at NCA. The girls volleyball team hosted its 1st ever home state playoff game in 2019.

NLHS Shark girls volleyball team went 1-14 this season on an independent schedule, but they were incredibly resilient, got better every day, and we retained 95% of our team despite the circumstances. This builds character! We expect greatness in the coming season!

## NCA PANTHER WRESTLING

The NCA Panther wrestling team made its Varsity debut during the 2018-2019 season and has since qualified for the first time for the state's district championships. The Panthers compete in the Super Essex Conference. Wrestling try-outs are at the end of November and the season begins in December through February. The wrestling team is composed of boys and girls who both compete based on weight. At this time, wrestling is only available at NCA. Wrestling try-outs begin in November and practice begins daily in December.

# ELIGIBILITY REQUIREMENTS

At KIPP Newark High Schools your work is very important. Failure to meet eligibility requirements will keep you from participating in any sport. As a freshman you become eligible for the fall season when you arrive and remain eligible until you receive your first quarter grades. Following the first quarter, your grades will determine your GPA and your GPA will determine your eligibility to play.

All athletes must maintain a 2.5 grade point average in order to participate in NCA and NLHS athletics. If your grade point average falls below 2.5, you will become ineligible.



**KIPP:NEWARK**  
NEWARK COLLEGIATE ACADEMY



# KIPP NEWARK COLLEGIATE ACADEMY

2021-2022 SCHOOL PROFILE | KIPP NEW JERSEY | WWW.KIPPNJ.ORG

## ABOUT KIPP NEWARK COLLEGIATE ACADEMY

KIPP Newark Collegiate Academy is our network's first high school. NCA serves students from KIPP Newark's four middle schools, as well as new-to-KIPP ninth graders who fill other open seats. Located in the West Ward near West Side Park, NCA offers a well-rounded educational experience including Honors and AP course options, varsity athletics, and a variety of clubs that appeal to student interests. KIPP Newark Collegiate Academy educates 800 students in grades 9-12 with a rigorous, college preparatory curriculum.

## SCHOOL VIRTUES

Humanity. Excellence. Courage.

## MISSION:

At Newark Collegiate Academy, we develop our habits of mind and character, preparing to lead principled and productive lives that kindle a respect for human dignity. We deeply believe in preparing ALL students for success in college and in life.

## ACADEMIC PROGRAM VISION:

A KIPP Newark Collegiate Academy education is marked by a rigorous curriculum that encourages critical thought that is rooted in an exchange of ideas. Having learned the habits of mind and character essential to success in life, our students will enter college prepared to serve as authors of their own destinies. We work to foster a community of students and teachers, responsible to each other. We work in partnership to help our students shape their identities, helping them to make their way along that less traveled road. NCA operates on a schedule where students receive eight 54-minute periods of instruction 5 days per week. All 9th, 10th, and 11th grade students are enrolled in 40 total credit hours. Seniors are required to be enrolled in at least 30 credit hours.

This school year, the following Advanced Placement course options are available: AP Studio Art, AP Computer Science Principles, AP English Language & Composition, AP English Literature & Composition, AP World History, AP United States History, AP US Government & Politics, AP Microeconomics, AP Macroeconomics, AP Statistics, AP Calculus AB, AP Calculus BC, AP Physics I, AP Biology, AP Spanish Language & Culture.



 **FOUNDED:** 2007

 **STUDENTS:** 823

 **GRADES:** 9-12

 **COLLEGE & CTE:** 66% matriculation

## ETHNICITY

- 90% African-American or Black
- 5% Latinx
- 4% Two or More Races

## FREE/REDUCED MEALS

- 91% Free/Reduced
- 9% Paid

## GENDER

- 51% Male
- 49% Female

## CONTACT

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**Sharmaine Lewis**  
School Leader  
slewis@kipnpj.org



# CLUBS

*\*In the coming months we will continue to follow the CDC guidelines and State of New Jersey recommendations in planning for all clubs, activities, and sports. We anticipate additional clubs may join the roster for the 2022-2023 school year.*

## **ACT UP**

ACT UP (anomalous creative teens UPLIFTING their peers) is the theater, film, and performance troupe at NCA. ACT UP—a lit take on drama club, will do 3 performances /productions yearly for NCA and will also perform in the community as opportunities present themselves. ACT UP will kick off with a dramatic play each year in the fall!

## **Art & Media Club**

Art & Media Club is open to all students interested in art and media. This club fosters a sense of camaraderie for fellow art students so that they can support each other in their artistic pursuits. Students are trained to work with cameras and editing equipment.

## **Book Club**

The Book Club is a place where students can meet to read and write. Club members meet to discuss books and the craft of writing. Some members choose to share their writings during the meetings, therefore starting many discussions. At times we critique each other's work and offer suggestions.

## **Chess Club**

Anyone from beginner to professional can join this chess club, lets grow, discuss and learn to play chess together as a team.

## **Comic Book Club**

Comic Book Club is the place for students who love to read, draw, write, and learn about the tricks behind the best comics or graphic novels. If you want to have fun with your friends, are a creative thinker, or if you can see yourself becoming involved in this industry some day, then this is the place for you!

## **Dissect Podcast**

"Dissect" Podcast Have you ever listened to music and wondered "What is this artist even saying?" In the "Dissect" Podcast club, participants will be able to examine the music, lyrics, themes, and meanings of their favorite artists. Participants will begin the year analyzing albums by Kanye West, Kendrick Lamar, Beyonce, Tyler the Creator, Frank Ocean, and more. As participants hone their research skills, they will be able to write, create, and record their own podcasts analyzing the music, lyrics, and meaning of their favorite albums.

## **Dungeons & Dragons**

The Dungeons & Dragons roleplaying game is about storytelling in worlds of sword and sorcery. It shares elements with childhood games of make-believe. In the Dungeons & Dragons game, each player creates an adventurer (also called a character) and teams up with other adventurers (played by friends).

## **Fashion Show Club**

The Fashion Show Club celebrates the beauty of the culture. In this club, we will learn about all aspects of the runway. Students will practice learning all roles that go into the production of a show (posing, walking, management, public relations) which will eventually lead to a school-wide event.

## **Gospel Choir**

The Gospel Choir was formed to celebrate the unique and inspirational power of gospel music.

## **Homework Club**

The homework club is a safe, supportive and productive student meetup out of school hours to assist students in completing their homework.

## **Investment Club**

Students will be able to develop financial skills and further their understanding of how the stock market operates. By learning about stocks, bonds, ETFs, options, forex, crypto, and real estate as various forms of investments, students will build their knowledge of economics.

## **Key Club (Community Service)**

Key Club is a student-led, high school organization. Our members make the world a better place through service. In doing so, we grow as individuals and as leaders by answering the call to lead, summoning the courage to engage and developing the heart to serve.

## **Majorettes**

The majorette team performs alongside the Marching Panthers. Routines similar to HBCU dance teams are performed to the rhythms of the drumline. The exposure helps to build girls self esteem and to also build confidence within one another.

## **Marching Panthers**

Music and building a band that will help continue to support our school network and Pride. Sportsmanship, leadership skills, creativity, theory in music, self-esteem, building self-confidence, having the ability to perform in front of large crowds, learning time management and a host of other opportunities that will help with future band scholarships and auditions.

## **Mental Health Club**

Mental Health Club is a space for students to look into ways one can improve or help an individual's mental wellness. Our mission is to eradicate mental health stigma and foster a community that exemplifies the true meaning of peer support—a community where fellow students show up without fear of judgement and exist in a frequency in which they are allowed to shine. Activity pieces will include meditations, discussions, de-stressing and grounding techniques, video pieces and much more. The goal is for students to feel safe, have fun and find ways to help themselves & others.

## **Mu Alpha Theta (Math Club)**

Mu Alpha Theta (MAΘ) provides a method for schools to recognize and encourage students who enjoy and excel in mathematics. Mu Alpha Theta (MAΘ) also organizes a national convention for students and teachers to participate in math-related events and interact with others from across the country.



### Music Workshop

The Music Workshop will be a place for young panthers to develop musical concepts using musical instruments as a band collectively and individually as producers. The hope is to have students be able to create music both live and recorded depending on what they focus on.

### National Society of Black Engineers

The National Society of Black Engineers at NCA is for students who are interested in pursuing engineering or STEM careers. NSBE is a global society which constantly looks to connect black engineers with top opportunities at the high school, college and career levels. Our students work closely with students from NJIT to do experiments, get mentorship and learn networking. The skills they learn through NSBE will be valuable later in their careers.

### National Honor Society

The National Honor Society will represent academic and moral excellence at KIPP NCA and KIPP NLHS. We strive to be an organization that cultivates leadership and community service amongst the student body for their high school years and beyond.

### Nu Gamma Alpha

Nu Gamma Alpha is a sisterhood for young ladies at NCA. Students bond and form support systems for each one another, discuss societal issues, and social media presence.

### Robotics

KIPP Newark High Schools' Robotics Club competes in FIRST Tech Challenge events with a robot that is designed, built and driven completely by students. Robotics requires learning design elements as well as coding in order to make the robot move. Students in the Robotics Club interface with students from several different schools and build relationships with students from a wide variety of backgrounds. Students are being prepared to tackle modern problems by creating modern solutions.

### Sign Language

The American Sign Language Club brings awareness about the deaf culture while learning American Sign Language.

### Spanish Club

The Spanish Club is open to students of all four grades who are interested in participating in activities which are related to Hispanic culture and the Spanish language.

### Step Team

Platinum Step creates an appreciation for diversity. Stepping is a form of percussive dance that uses the body, especially hands and feet to create rhythms and sounds.

### Student Leaders in Diversity, Equity & Identity

SLIDEI creates student leaders that ensure NCA is actively working to be more equitable for all students by bringing awareness to different inequities and diversity issues here, in the local community, and in the world.

### Video Game Club

A space for gamers and students who would like to design their own games, challenge their peers or discuss game culture in a family oriented casual way.

### Yearbook

Yearbook club designs, creates and distributes NCA's yearbook. The club documents and archives the school year.





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**KIPP:NEWARK**  
NEWARK LAB HIGH SCHOOL



# KIPP NEWARK LAB HIGH SCHOOL

2021-2022 SCHOOL PROFILE | KIPP NEWARK | WWW.KIPPNJ.ORG

## ABOUT KIPP NEWARK LAB HIGH SCHOOL

At KIPP Newark Lab School, we embark on the journey to find ourselves, our purpose, and to create a more just future and world. We unlock our limitless potential through projects, through lived experience, and through meaningful learning experiences. We ask the questions, and we solve the problems - great and small. We give and take opportunities to formulate ideas and propose solutions to non-traditional problems. We know our future is more exciting if we explore the stars and more beautiful if we sing, if we dance, if we build. We learn to love and value ourselves and others, to be self-disciplined and engaged citizens who make informed decisions, and act with integrity. We celebrate what we share and cherish our differences. Because we leave armed with powerful knowledge and the skills to lead choice-filled lives, we leave with responsibility and strength. We leave imbued with a strong sense of justice, and with the critical thinking skills necessary to make a difference.

## SCHOOL VIRTUES

Problem-Solving, Creativity & Exploration, Critical-Thinking, Connection, and Understanding of Self

## ACADEMIC PROGRAM VISION:

At KIPP Newark Lab High School, our classrooms provide countless opportunities. Opportunities to live thousands of lives in our single lifetime through books, conversations, and experiences. Opportunities to develop voice in writing, to break from formulas and traverse genres with skill and nuance. Opportunities to develop a passion for learning and the knowledge to disrupt the status quo. Opportunities to constantly grapple with complex problems and persevere in the face of obstacles and ambiguous solutions. Opportunities to ask questions, and opportunities to be wrong. Opportunities to build and create things. We create and embrace opportunities to consider our and others perspectives - in personal interactions, in literature, in history, in nature.

Opportunities to empathize, collaborate, and compromise. Opportunities to make the effort, to set goals, and to contemplate. Opportunities to try, to learn, and to achieve. Opportunities to reflect and to applaud each other. Every day we seize all of our opportunities to instill in our students the desire and ability to change the world.



 **FOUNDED:** 2019

 **STUDENTS:** 340

 **GRADES:** 9 - 11  
(Growing to Grades 9-12)

## ETHNICITY

- 83% African-American or Black
- 5% Latinx
- 12% Two or More Races

## FREE/REDUCED MEALS

- 90% Free/Reduced
- 10% Paid

## GENDER

- 50% Male
- 50% Female

## CONTACT

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# CLUBS

*\*In the coming months we will continue to follow the CDC guidelines and State of New Jersey recommendations in planning for all clubs, activities, and sports. We anticipate additional clubs may join the roster for the 2022-2023 school year.*

## **Adventure Club**

Adventure Club will give students the opportunity to explore the outdoors through various outdoor activities. In Adventure Club 1.0, facilitators take students on different activity trips in New Jersey which include hikes, rock climbing, camping, archery, and more. Students will learn about hiking etiquette, safety, and preparation, and survival skills. In subsequent trimesters, Adventure Club will expand to even more outdoor adventures like skiing, swimming, navigation and beyond.

## **Anime Club**

The Anime Club exists for students with an interest in all forms of Anime! Aside from just being a place where students can promote Anime/Manga/animation and share their love of the culture, the club will also provide an opportunity to read, draw, discuss, and create their own characters and their own worlds. In addition, the club might engage in other activities such as viewing anime music videos, karaoke, cosplaying and the possibility of an online forum to further foster community interaction. It may also feature a library to lend books to members. Everyone is welcome, whether they know anything about Anime or not.

## **MVMT - Anti-Racist Financial Literacy and Entrepreneurship**

The MVMT believes that fostering financial literacy, leadership skills, and entrepreneurial spirit in our young people is the ultimate anti-racist act and will build a better future for Black communities and us all. This year-long course meets twice a week and starts with the history of capitalism and centers the growth and empowerment of black and brown communities. The curriculum then covers financial literacy basics and introduces students in principles of entrepreneurship with hands-on and authentic practice and exploration activities throughout. One lesson a month will be dedicated to guest speakers and business mentor seminars. The course culminates in an MVMT Business Pitch Competition whose winner will earn a cash scholarship prize to be put towards their future business education or towards building their own business.

## **Art Club**

Art Club is open to all students interested in art and media. This club fosters a sense of camaraderie for fellow art students so that they can support each other in their artistic pursuits.

## **Boxing Club**

Students will learn boxing skills and techniques from the ground up. Footwork, defense, punching, conditioning, and mentality will all be covered in this fun but engaging activity. Students will also learn nonviolent conflict resolution strategies, boxing history, and even have the opportunity to meet current fighters of all levels.

## **Crochet Club**

In crochet club, students will learn the satisfying and relaxing skill of crochet. They will learn how to make granny squares and stitch them together into various garments. This is a great opportunity for students to take a break from all the technology and develop a skill that they can be proud of. Students will be empowered to create their own creative patterns.

## **Debate Club**

Students will develop as an orator and a critical thinker. They will learn to express their beliefs clearly, concisely, and persuasively. In addition to developing their speaking skills, they will also learn to analyze issues and structure arguments. At various points throughout the year, students will participate in debate competitions. Students new to debate will be introduced to foundational skills and concepts, while more seasoned students will have an opportunity to develop new and existing skills. Students will gain substantial debate experience in debate simulations and competitions.

## **Dance Company**

Provides an outlet for dance and performance at Lab. The dance company will provide a team culture for the members, and will share the love of dance and movement with the Lab community

## **Drama Club**

Acting club is the theater, film, and performance troupe at Lab. As a new club, We are in the process of partnering with NJPAC to build our drama club. participants will perform in the community as opportunities present themselves. ACT UP will kick off with a dramatic play each year in the fall!

## **Esports aka Gamers Unite!**

The Esports club is an opportunity for students to engage in the world of Esports. Students will practice and compete in Esports competitions, learn how to edit their highlights, and post them online. In addition, the program provides the space for kids to explore a career path down the line in the ever growing field of gaming.

## **Girls Society**

Girls Society is a place where girls build character and strong relationships with each other through discussion, team builders, and other activities. This club is intended to promote self-respect, empowerment, self-control and encourages girls to be their best selves everyday.

## **HIIT Club**

It's time to HIIT it! The acronym HIIT stands for high-intensity interval training. A HIIT workout mixes short bursts of activity with even shorter rest periods. Students will work to your maximum capacity during the short bursts of activity, hence the use of "high intensity" to describe those intervals. A mix of cardio, weight training and pilates will get your body lean, mean & ready to conquer the ocean.

## **Investment Club**

Students will be able to develop financial skills and further their understanding of how the stock market operates. By learning about stocks, bonds, ETFs, options, forex, crypto, and real estate as various forms of investments, students will build their knowledge of economics.

## **National Honor Society**

The National Honor Society will represent academic and moral excellence at KIPP NCA and KIPP NLHS. We strive to be an organization that cultivates leadership and community service amongst the student body for their high school years and beyond.



### Poetry as Performance

In Poetry as Performance, poets will study different modes and styles of poetry and poetry performance, write through various themes, and perform every single week. It is an ideal club for any scholar looking to improve their writing, build confidence in their performance/public speaking skills, and put NLHS on the map as a top tier school for creative empowerment.

### Robotics

KIPP Newark High Schools' Robotics Club competes in FIRST Tech Challenge events with a robot that is designed, built and driven completely by students. Robotics requires learning design elements as well as coding in order to make the robot move. Students in the Robotics Club interface with students from several different schools and build relationships with students from a wide variety of backgrounds. Students are being prepared to tackle modern problems by creating modern solutions.

### Step Team

Platinum Step creates an appreciation for diversity. Stepping is a form of percussive dance that uses the body, especially hands and feet to create rhythms and sounds.

### Student Government

In student government, students will learn about civics and government by being a part of a governing body in the school. Time during this period will be spent educating students on the different branches of government and adapting those understanding to the school setting. In addition, students will work on projects to campaign for election, create and market initiatives, and make decisions on behalf of their constituents for the betterment of the Shark community. Students will also plan and lead events for the school during this time and participate in community service projects.

### Video Game Club

A space for gamers and students who would like to design their own games, challenge their peers or discuss game culture in a family oriented casual way.

### Weight Lifting 101

Students will have a comprehensive strength training program that will develop the strength and size of skeletal muscles. We will go over proper warm ups, stretching, calisthenics, myofascial release, and general form to complete movements. We will start by doing an assessment to see where students are individually and will track students progress. No experience necessary, we will meet you at your current level and will guide you towards your goal with appropriate progressions.

### Yoga

Yoga is a systematic practice of physical exercise, breath control, relaxation, positive thinking and meditation aimed at developing harmony in the body, mind, and environment. Students will learn yoga through weekly practice. They will learn the basics of yoga, the different types of yoga, and progressively enhance their practice in this course.



# KIPP NEWARK HIGH SCHOOLS COURSE OFFERINGS

△ Indicates a course is offered only at KIPP Newark Lab High School

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## DESIGN

### **Intro to Design** △

**5 credits, full-year**

This course is a full-year introduction to design. Students will learn the basic tenets of design thinking and engage in several design projects and challenges throughout the year. Students will follow criteria including budget, size, or duration to map out the creation of a product, structure, or project. Potential freshman design thinking projects include: documentary films, tiny houses, furniture, or robots. Freshman will present projects to their peers and family at the Freshmen Design Fair.

## ARTS

### Music

#### **Music Production** △

**5 credits, full-year**

This course is a full-year introduction to the theory and techniques of audio production. Students will learn and combine the knowledge of music theory, development of listening skills, song structure, and copyright laws of music business essential to becoming a well-rounded music producer. Students will be capable of developing their own musical ideas by using MIDI music production software, Garage Band and Reason, in a computer lab setting. *Prerequisites: None*

#### **Music Production II** △

**5 credits, full-year**

This course builds on the skills and concepts of Music Production I.

*Prerequisites: Music Production I*

#### **Choir** △

**5 credits, full-year**

This full-year performance class is offered to music students. With a focus on note reading, posture, tone quality, and other fundamental skills. Through focused daily group rehearsals and individual practice, students will participate in a dynamic ensemble experience, and develop collaborative skills essential both in and out of rehearsal. This class will feature in-class, in-school and out-of-school performance opportunities, as well as written analysis and reflections that accompany a wide range of musical repertoire. Students will be assessed via written and performance-based tests. *Prerequisites: None; audition required*

## Theater

#### **Acting for Stage and Film** △

**5 credits, full-year**

Acting for stage is a completely unique art and is considerably different from acting for film and/or television. Learn the fundamental/intermediate elements of acting for both stage and film.

*Prerequisites: None*

#### **Advanced Acting for Stage and Film**

**5 credits, full-year**

Students will learn the intermediate/advanced elements of acting for both stage and film. Students will perform productions developed throughout the course. Students will develop professional reels/head shots/portfolios and resumes. This course is ideal for students who are interested in pursuing collegiate majors/professional careers in performance.

*Prerequisites: Audition required*



# VISUAL ARTS

## **AP Studio Art [△](#)** **5 credits, full-year**

The Advanced Placement Studio Art course is designed for highly motivated students who are committed to the study and creation of visual art. Using guidelines established by the Advanced Placement College Board, students must prepare a portfolio of their best work to be submitted for discussion and evaluation at the end of the school year. Students will work in a variety of two-dimensional media, including a personal concentration of at least twelve pieces that focuses on a theme of personal interest to each student. To be successful in this course many of the art projects must be done outside of class as well as in class.

During the school year, students will have the opportunity to concentrate in a particular medium, art style, and/or subject matter. Students are expected to complete approximately one major project each week, and they will be required to prepare portfolios of their best work for participation in the Spring Portfolio Exhibition and for the College Board's AP portfolio exam. Students in AP Studio Art should be committed to success, and they must be willing to put in the time and effort necessary to produce the high quality work expected of a serious, focused investigation into a discipline in which they are interested.

*Prerequisites: Drawing & Painting I; Instructor approval*

## **Introduction to Art [△](#)** **5 credits, full-year**

A course that trains students in the fields of graphic design, interior design, advertising, decorative art, functional and structural art, architecture, photography, drawing and painting. This course will also introduce and utilize the Elements and Principles of Art and be considered in all art making.

## **Advanced Art [△](#)** **5 credits, full-year**

Advanced Art is a studio course in which students will increase technical skills, develop a more sophisticated approach to process and subject matter, and create a portfolio of individual work.

## **Media Arts [△](#)** **5 credits, full-year**

This class investigates a variety of art making genres and technical applications that challenge form and content. Multi-media applications may range from mixed media assemblage and digital processes. Students as individuals will adopt these ideas and methods for their own work, continuing the development of formal and technical skills in relation to a personal evolution. Historical and contemporary precedents will be introduced. Possibilities for collaboration with other disciplines will be encouraged throughout the course.

## **Design and Drafting [△](#)** **5 credits, full-year**

Introduction to digital tools with emphasis on graphic design, mechanical drafting, aesthetics, and function. Students will apply the concepts through designing, building, and demonstrating a robotic system, including all sensing, computation, and actuation. The specific task, such as stone stacking robots, changes each year, and is designed to be challenging for ambitious students.

## **Introduction to Visual and Performing Arts [△](#)** **5 credits, full-year**

Introduction to digital tools with emphasis on graphic design, mechanical drafting, aesthetics, and function. Students will apply the concepts through designing, building, and demonstrating a robotic system, including all sensing, computation, and actuation. The specific task, such as stone stacking robots, changes each year, and is designed to be challenging for ambitious students.

# COLLEGE, CAREER, AND TECHNICAL EDUCATION

## **Introduction to Computer Science** **2.5 credits, one semester**

Introduction to Computer Science takes a wide lens on computer science by covering topics such as programming, physical computing, HTML/CSS, and data. Students engage with computer science as a medium for creativity, communication, problem solving, and fun. The course inspires students as they build their own websites, apps, games, and physical computing devices.

# COLLEGE, CAREER, AND TECHNICAL EDUCATION (Cont'd)

## **AP Computer Science Principles**

**5 credits, full-year**

Computer Science Principles is a course designed to prepare students (and teachers) who are new to computer science for the AP CS Principles exam. The course covers many topics including the Internet, Big Data and Privacy, and Programming and Algorithms. *Prerequisites: None*

## **AP Computer Science A**

**5 credits, full-year**

AP Computer Science A is an introductory college-level computer science course. Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures.

## **College and Career 100**

**1.25 credits, full-year**

College and Career 100 is a full-year course that helps ease the transition from middle school to high school, equipping students with the skills required to become successful high school students. Students learn the importance of and how to calculate grade point averages. Students learn study skills, note taking from college level classes, personal organization systems, and much more. College focus begins in freshman year, with a focus on future life aspirations and how college prepares students to achieve life goals.

*Prerequisites: None*

## **College and Career 200**

**1.25 credits, full-year**

College and Career 200 is a full year course designed to begin uncovering our students' passion and plan. Our student discuss where they want their lives to go, hear from others who have gone before them, engage in activities designed to determine strengths and passions, and research opportunities to gain exposure to life changing experiences.

*Prerequisites: None*

## **College and Career 300**

**5 credits, full-year**

College and Career 300 is a full year course focusing on the college admissions process and in particular, ACT test preparation. By the end of the course, students will have a strong understanding of the types of colleges they will apply to in their senior year, have improved their ACT test scores significantly, prepared to request teacher recommendations, and started their personal statement.

*Prerequisites: None*

## **College and Career 400**

**5 credits, full-year**

College and Career 400 is a full year course that ensures all students complete the college application process and financial planning steps necessary to successfully matriculate to the college of their dreams. This course work centers around college match, determining how identity and desire and future aspirations intersect with strong decision making to choose the college that most directly aligns with goals. College placement counselors support students through personal statement writing, essay completion, FASFA work and much more. *Prerequisites: None*

## **Student Government**

**5 credits, full-year**

This full year course is designed to prepare students for leadership opportunities in college and in the work environment. The course offers students with the opportunity to foster a variety of essential skills such as communication, organization, goal setting, collaboration, event planning, time management, public speaking and critical thinking. The purpose of Student Government at KIPP Newark Lab High School is to plan and implement activities that not only serve but also enrich the student body, the staff, and the community.

*Prerequisites: Instructor Approval/Elected or Appointed into office*

## **Design Your Life**

**5 credits, full-year**

Design your life is a full year course focusing on setting goals and planning the life of your dreams. Financial literacy, the college admissions process, ACT test preparation are all skills incorporated. By the end of the course, students will have a strong understanding of the types of colleges they will apply to in their senior year, have improved their ACT test scores significantly, prepared to request teacher recommendations, and started their personal statement. They will work with stakeholders to assess their goals and plans to make their dreams become a reality.



# ENGLISH

## English I

**5 credits, full-year**

English 100 is an introductory course to multiple genres and forms of reading with the theme of coming of age. The goal of the course is to expose students to a wide variety of texts and to develop their ability to analyze literary elements in text. Students spend a significant amount of time practicing close reading skills while they gradually become more confident with reading on their own outside of class. Students begin developing important habits of annotation, note-taking, organization, and reading outside of class. *Prerequisites: None*

## English II

**5 credits, full-year**

English 200 is designed to further students' ability to closely read and analyze literature from around the world. Students build their knowledge of literary language and develop comprehension skills. The course is centered on the close reading of short passages and poems, as well as novels, plays, non-fiction, and speeches. The goal of the course is to expose students to a wide variety of texts and voices, and to build students' ability to attack and analyze a passage closely using literary language to do so. *Prerequisites: English I*

## AP English Language and Composition

**5 credits, full-year**

AP Language and Composition is a college-level course, typically taken in junior year, that analyzes the craft and themes of nonfiction texts written by American and international authors. Students study and practice the rhetorical devices and compositional components of crafting a persuasive argument. Students will read, analyze, and respond to a variety of nonfiction texts and visual texts in both on-demand and process-based essays to prepare for the AP English Language and Composition Exam. *Prerequisites: English II*

## Information Literacy

**5 credits, full-year**

This course is designed to ensure that students are able to access and comprehend written materials. In this course, students will be working to increase their reading levels in order to make written material more accessible.

## AP English Literature & Composition

**5 credits, full-year**

The AP English Literature and Composition is a college-level course, typically taken in senior year. Students in this course are introduced to the works of African American individuals from the periods of slavery to the great Harlem Renaissance to the contemporary era. Through the intense and deep study of literature, students develop a strong foundation in critical reading, thinking and writing that will prepare them for what is expected at the college level. They are required to complete a significant amount of reading and writing assignments independently. *Prerequisites: AP English Language and Composition*

## AP Seminar

**5 credits, full-year**

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. *Prerequisite: English 2*

# HISTORY & SOCIAL SCIENCES

## African American Studies ▲

**5 credits, full-year**

A course that examines the history and culture of the African-American experience in an interdisciplinary format, including analysis of the unique historical, cultural, and social developments from classical African civilization to the present day.

# HISTORY & SOCIAL SCIENCES (Cont'd)

## **World History I**

**5 credits, full-year**

The 100 Level history course is built around three enduring ideas: history is an interrelated story of the world; geographic knowledge is an inherently dynamic skill in understanding history; and excellent historians are first-class investigators. Throughout the course, students develop skills in evaluating primary source evidence, incorporating and synchronizing evidence, while explaining thematic historical and geographic relationships. During each time period that is studied from pre-civilization to the Rwandan Genocide, students investigate geography, populations, culture, state building, economic systems, and social structures. Students engage in multiple class-wide debates as well as primary-source document based question (DBQ) and long essay question (LEQ) writing to help further their historical reading, thinking, and writing skills. This course is the first of a two-year track to prepare students to take the AP World History exam in May of their Sophomore year. *Prerequisites: None*

## **AP World History**

**5 credits, full-year**

The 200 Level – AP World History course is a fast-paced and rigorous course aligned with the AP World History exam which students will be encouraged to take in the middle of May for a chance at college credit and esteemed distinction on their college applications. The course will build off of skills and schematic content covered in their 100-Level Pre-WHAP history course while quickly moving into the Pre- Columbian era (1400s) and ultimately taking students into 21st century events and issues. Students will work on becoming advanced proficient in analyzing primary-source documents as well as building advanced proficient non-fiction literacy skills in order to effectively comprehend complex secondary sources and worldwide historical schema. Students will be asked to write numerous types of historical essays including the Document-Based Question (DBQ) format, Long Essay Question (LEQ) format, and Short-Answer Question (SAQ) format. All writing formats are aligned with and tested on the College Board certified AP World History exam. Students will engage in multiple whole class debates to further sharpen their historical writing, reading, and presentation skills. *Prerequisites: Pre-AP World History*

## **AP United States History**

**5 credits, full-year**

Aligned with the AP U.S. History exam which students will be encouraged to take in May for a chance at college credit and esteemed distinction on their college applications, this course will build off of skills and schematic content covered in both their pre-requisite 100-Level and 200-Level history courses while quickly moving into the 9 essential time periods associated with U.S. History. The course will cover North American history from 1491 Pre-Colonization to the present-day while encompassing a multi-faceted perspective approach inclusive of many demographics and narratives genuine to the United States of America.

Students will continue to build advanced proficiency skills in analyzing primary-source documents as well as building their advanced proficiency non-fiction literacy in order to effectively synthesize essential historical schema pertinent to the United States. Students will be asked to write numerous types of historical essays including the Document-Based Question (DBQ) format, Long Essay Question (LEQ) format, and Short-Answer Question (SAQ) format. Students will engage in multiple whole class debates to further sharpen their historical writing, reading, and presentation skills. *Prerequisites: World History AP*

## **AP US Government & Politics**

**5 credits, full-year**

English 400 is the capstone to the English sequence at KIPP NLHS. Students in this course are introduced to the works of African The AP U.S. Government and Politics course is a fast-paced and rigorous course aligned with the AP U.S. Government and Politics exam students will be encouraged to take in May for a chance at college credit. The course will build off of skills and schematic content covered throughout our students history careers at KIPP NLHS. The course will especially draw upon schema and concepts covered in our 300-level AP US History course. Students will also be asked to research, analyze, and discuss current events in American politics. Students will be able to investigate some of the most far-reaching contemporary and historical questions in US government: Why do we have government?

What exactly do the three branches of our government do? How and why are laws made? What is the impact of these laws? Why do we have political parties? And how effectively does our democracy function? Students will engage in multiple whole class debates, writing assignments, and simulations to further sharpen their historical writing, reading, and presentation skills. *Prerequisite: AP US History*

## **AP Microeconomics ▲**

**5 credits, full-year**

This course is designed for students interested in pursuing a career in business and/or you enjoy applied mathematics. The purpose of an AP course in microeconomics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets, and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. *Prerequisites: Junior or senior status*



## HISTORY & SOCIAL SCIENCES (Cont'd)

### **AP Macroeconomics**

**5 credits, full-year**

The purpose of the AP Macroeconomics course is to create a thorough understanding of the principles of economics that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination, and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. The course will place even more emphasis on income inequality in America as well as the current economic decisions the United States, and the current presidential administration, are making on an economic level. If you want to delve into national and international economic issues and be able to discuss these issues, AP Macro is the course for you. *Prerequisites: successful completion of AP Microeconomics*

## MATHEMATICS

### **Algebra I**

**5 credits, full-year**

As stated in the New Jersey Student Learning Standards, "The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. Because it is built on the middle grades standards, this is a more ambitious version of Algebra 1 than has generally been offered. The units deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions. The Mathematical Practice Standards apply throughout the course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

### **Geometry**

**5 credits, full-year**

This course teaches the standards set out in the New Jersey Student Learning Standards. Within the course, students will investigate the concepts of congruence, similarity, and symmetry and understand that they can be understood from the perspective of geometric transformation. Fundamental are the rigid motions: translations, rotations, reflections, and combinations of these, all of which are here assumed to preserve distance and angles (and therefore shapes generally). Reflections and rotations each explain a particular type of symmetry, and the symmetries of an object offer insight into its attributes—as when the reflective symmetry of an isosceles triangle assures that its base angles are congruent. *Prerequisite: Algebra I*

### **Algebra II**

**5 credits, full-year**

Building on their work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. *Prerequisite: Geometry*

### **Pre-Calculus**

**5 credits, full-year**

Pre-calculus focuses on thoroughly preparing students for Calculus with a very "hands-on" approach to learning. The course content includes functions and graphs, polynomial functions, rational functions, exponential and logarithmic functions, trigonometric functions, solving polynomial equations, optimization problems, arithmetic and geometric sequences and series. *Prerequisite: Algebra II*

### **Math Problem Solving**

**5 credits, full-year**

This course is designed to give students the opportunity to apply their math skills to solve problems and increase their fluency with math.

### **AP Statistics**

**5 credits, full-year**

Statistics is the science of data; it is a way of reasoning, along with a collection of tools and methods, designed to help us understand the world. Statistics helps us to humanize mathematics. Many economic, social, political, and military decisions cannot be made without statistical techniques, such as the design of experiments to gain Federal approval of a newly manufactured drug (American Statistical Association). The AP Statistics Course is a fun course filled with daily real-world applications. The course is comprised of four main components: data analysis, data collection, probability, and statistical inference. *Prerequisite: Algebra II*

## MATHEMATICS (Cont'd)

### **AP Calculus AB**

**5 credits, full-year**

This is a year-long elective course designed as a college level Calculus I course, and is intended for the college-bound student to adequately prepare them for the AP Calculus AB exam. Students are exposed to work with functions represented in a variety of ways: graphical, numerical, analytical, or verbal. They will understand the connections among these representations, understand the meaning of the derivative in terms of a rate of change and local linear approximation and use derivatives and integrals to solve a variety of problems. Students will also learn analytical skills that will serve them well in all future math courses, such as communicating mathematics both orally and in well-written sentences to explain solutions to problems, modeling a written description of a physical situation with a function, a differential equation, or an integral, using technology to help solve problems, and determining the reasonableness of solutions, including sign, size, relative accuracy, and units of measurement. *Prerequisite: Pre-Calculus*

### **AP Calculus BC**

**5 credits, full-year**

AP Calculus BC focuses on functions represented in a variety of ways: graphical, numerical, analytical, or verbal. Students understand the connections among these representations, understand the meaning of the derivative in terms of a rate of change and local linear approximation and use derivatives and integrals to solve a variety of problems. Students also learn analytical skills that will serve them well in all future math courses, such as communicating mathematics both orally and in well-written sentences to explain solutions to problems, modeling a written description of a physical situation with a function, a differential equation, or an integral, using technology to help solve problems, and determining the reasonableness of solutions, including sign, size, relative accuracy, and units of measurement. This course is a year-long elective and is taught as a two-period double-block. Students must also be willing to commit to afterschool work throughout the year. The course culminates with students taking the AP Calculus BC exam.

## PHYSICAL EDUCATION & HEALTH

Students are required to take Physical Education and Health each year while a student at Newark Lab High School as per the New Jersey State High School graduation requirements. The physical education portion of each course provides students with knowledge, experience, and an opportunity to develop skills in more than one of the following sports or activities: team sports, individual/dual sports, recreational sports, and fitness/conditioning activities. The health portion of each course includes personal health (nutrition, mental health, stress management, drug/alcohol abuse prevention, disease prevention, and first aid), environmental health, personal development, and /or community resources.

### **Physical Education & Health I**

**3.75 credits, full-year, 3 days per week**

*Prerequisites: None*

### **Physical Education & Health II**

**3.75 credits, full-year, 3 days per week**

*The health portion of this course is replaced with Driver's Education. At the end of the course students are given the opportunity to complete the written exam needed to obtain a New Jersey learner's permit. Prerequisites: Physical Education & Health I*

### **Physical Education & Health III**

**5 credits, full-year**

*Prerequisites: Physical Education & Health II*

### **Physical Education & Health IV**

**5 credits, full-year**

*Prerequisites: Physical Education & Health III*

## RHETORIC

### **AP Research**

**5 credits, full year**

AP Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a year-long research-based investigation to address a research question. Students further their skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. Students explore their skill development, document their processes, and curate the artifacts of the development of their scholarly work in a portfolio. The course culminates in an academic paper of 4000-5000 words and a presentation with an oral defense. *Prerequisite: AP Seminar*

# SCIENCE

## Physics

**5 credits, full-year**

This course provides students with a modern view of the fundamental concepts of physics. The major topics covered are mechanics, energy, electricity and magnetism, and waves. Students are expected to have a basic algebra background with the ability to solve single variable and literal equations. This class includes extensive laboratory work and written lab reports.

## Chemistry

**5 credits, full-year**

Chemistry will give students the knowledge needed to explain the natural and man-made world. The first year chemistry course focuses on developing basic conceptual understanding of chemical concepts. Lessons will be geared to enhance and apply mathematical skills and critical thinking. Class will involve a weekly laboratory component in which students will learn specific laboratory skills as well as analyze qualitative and quantitative data. Major themes in this course include matter, nuclear chemistry, the periodic table, bonding, reactions, and stoichiometry.

## Biology

**5 credits, full-year**

Biology is devoted to the study of living things and their processes. Students will learn about basic biological functions and ecological relationships that maintain and disrupt homeostasis in our natural world. The course also focuses on fundamental analytical, quantitative, and critical reasoning skills necessary to effectively communicate scientific thought. Topics include cell structure and function, genetics and heredity, evolution through natural selection, diversity of living organisms and their ecological roles, and an introduction to animal structure and function.

## AP Physics 1

**5 credits, full-year**

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, electrostatics, and introductory electrodynamics/simple circuits.

*Prerequisite: Algebra II*

## AP Biology

**5 credits, full-year**

AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes—energy and communication, genetics, information transfer, ecology, and interactions. There is a laboratory component of the course.

# WORLD LANGUAGES

## Spanish 1

**5 credits, full-year**

Spanish 1 is taught by optimizing immersion using the TPRS® method. Our class activities are designed to provide students with many opportunities to be involved in the Spanish language at or just above their level of understanding. Each language-building activity is designed to introduce or strengthen the understanding of high frequency words and phrases in Spanish.

## Spanish 2

**5 credits, full-year**

Spanish 2 is taught by optimizing immersion using the TPRS® method. This second year course teaches students to be able to survive in a Spanish speaking country. Students will be able to handle simple conversations and ask and answer questions. *Prerequisite: Spanish 1*

## Spanish 3

**5 credits, full-year**

In this course, students will further their ability to communicate in Spanish. In doing so they will develop their abilities to understand written and spoken Spanish and make progress in their ability to write and speak in Spanish. In addition, students will explore several Hispanic cultures. Students will develop their ability to draw connections between themselves, the Spanish speaking world, and Spanish texts. Any junior or senior in this level course could be eligible for the World Language trip offered that year. *Prerequisite: Spanish 2*



## WORLD LANGUAGES (Cont'd)

### **AP Spanish Language and Culture**

***5 credits, full-year***

AP Spanish Language and Culture focuses on a rigorous study of Spanish language and culture where students will be required to read, write, converse, and debate extensively in Spanish. At the end of this college-level course, students take the AP Spanish Language exam, for which they can receive college credit depending on their score. Students in this course study predominantly contemporary topics centered around six themes: Families and Communities, Science and Technology, Beauty and Esthetics, Global Challenges, Contemporary Life, and Public and Private Identities. *Prerequisite: Spanish 3*

# KIPP NEWARK HIGH SCHOOLS GRADUATION REQUIREMENTS

The state of New Jersey requires that students complete 120 credits of coursework to graduate. KIPP Newark encourages all students to complete 4 years of core academic subjects (English, math, science, and history), two years of a world language, and 10 hours of community service each year. Students who meet these additional requirements receive a KIPP Newark High School Diploma, which recognizes their completion of a full, college preparatory course of study.

## NJ STATE DIPLOMA (120 CREDITS)

| COURSE SECTION            | # OF CREDITS | TOTAL # OF YEARS |
|---------------------------|--------------|------------------|
| Language Arts Literacy    | 20           | 4                |
| Mathematics               | 15           | 4                |
| Science                   | 15           | 4                |
| Social Studies            | 15           | 4                |
| Health/Physical Education | 15           | 4                |
| Visual/Performing Arts    | 5            | 2                |
| World Language            | 5            | 1                |
| 21st Century Careers      | 5            | 1                |
| Finance                   | 2.5          | ½ Year           |
| Electives                 | 22.5         | Varies           |

## KIPP NEWARK HIGH SCHOOLS DIPLOMA (140 CREDITS)

| COURSE SECTION            | # OF CREDITS | TOTAL # OF YEARS |
|---------------------------|--------------|------------------|
| Language Arts Literacy    | 20           | 4                |
| Mathematics               | 20           | 4                |
| Science                   | 20           | 4                |
| Social Studies            | 20           | 4                |
| Health/Physical Education | 15           | 4                |
| Visual/Performing Arts    | 5            | 2                |
| World Language            | 10           | 1                |
| 21st Century Careers      | 5            | 1                |
| Finance                   | 2.5          | ½ Year           |
| Electives                 | 22.5         | Varies           |

## GPA SCALE

| STANDARD SCALE LETTER | POINTS | PERCENT  | HONORS SCALE LETTER | POINTS | PERCENT  |
|-----------------------|--------|----------|---------------------|--------|----------|
| A +                   | 4.3    | ≥ 97%    | A+                  | 4.5    | ≥ 98%    |
| A                     | 4      | 93 - 96% | A                   | 4.5    | 90 - 97% |
| A-                    | 3.7    | 90 - 92% | B+                  | 4.17   | 87 - 89% |
| B+                    | 3.3    | 87 - 89% | B                   | 3.83   | 83 - 86% |
| B                     | 3      | 83 - 86% | B-                  | 3.5    | 80 - 82% |
| B-                    | 2.7    | 80 - 82% | C+                  | 3.17   | 77 - 79% |
| C+                    | 2.3    | 77 - 79% | C                   | 2.83   | 73 - 76% |
| C                     | 2      | 73 - 76% | C-                  | 2.5    | 70 - 72% |
| C-                    | 1.7    | 70 - 72% | D+                  | 1.8    | 67 - 69% |
| D                     | 1      | 60 - 69% | D                   | 1.5    | 60 - 66% |
| F                     | 0      | <60%     | F                   | 0      | <60%     |

## This image shows a full page of blank handwriting practice paper. It features 20 evenly spaced, horizontal blue lines running across the entire width of the page. The lines are thin and consistent in color, providing a guide for letter height and placement. There are no margins, text, or other markings on the paper.



[illegible]



# HIGH SCHOOL TRANSITION TIMELINE

|              |   |
|--------------|---|
| November     | <ul style="list-style-type: none"><li>▪ RSVP for a December or January open house at <a href="http://kippnj.org/transitions">kippnj.org/transitions</a></li></ul>   |
| December     | <ul style="list-style-type: none"><li>▪ Attend a KIPP Newark open house &amp; receive your information packet and enrollment forms.</li></ul>   |
| January      | <ul style="list-style-type: none"><li>▪ All enrollment forms are due by <b>January 28th</b></li></ul>   |
| February     | <ul style="list-style-type: none"><li>▪ 9th grade lottery to determine campus placement</li></ul>   |
| March        | <ul style="list-style-type: none"><li>▪ All scholars are notified of their campus placement</li></ul>   |
| April - June | <ul style="list-style-type: none"><li>▪ Students attend high school preview events, including sports games &amp; mixers</li><li>▪ Families attend Commitment Meetings</li><li>▪ Students register for high school courses</li></ul> |



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973-757-1501

**KIPP:NEWARK**  
HIGH SCHOOLS

For general questions email: [KIPPNJHighSchools@kippnj.org](mailto:KIPPNJHighSchools@kippnj.org)