

NEW PROGRAM · GRADES 9–12

CODE{313} | CODING & INNOVATION CLUBS

Where Detroit's future engineers, drone pilots, programmers, and problem-solvers launch their journey into technology.

CODE313.COM

CCIC · 2026–2027

WELCOME TO CCIC

DON'T JUST LEARN TECH. BUILD THE FUTURE.

The CODE313 Coding & Innovation Club (CCIC) is a high-energy, hands-on club for high school scholars in grades 9–12. Scholars don't just learn how to code. Over one school year, they rotate through **six technology pathways** and bring their ideas to life through apps, games, circuits, AR, robots, and drones.



CCIC blends **coding, engineering, teamwork, and problem-solving** into weekly sessions that feel more like a tech lab than a classroom. Instead of picking just one focus, scholars move through a **six-course rotation**, and every course ends in a showcase of what they built.

Along the way they gain technical confidence, digital literacy, and real exposure to **high-demand tech careers**, all while having fun with the friends building beside them.

9–12
9–12TH GRADE HIGH SCHOOL SCHOLARS

15–25
SCHOLARS PER CLUB

SEP–JUN
FULL SCHOOL YEAR

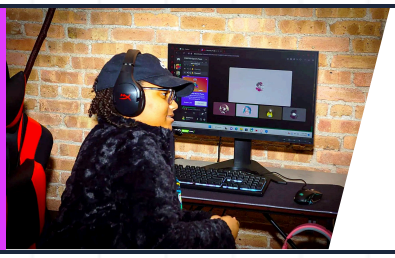
BUILDING A FIRST APP. CODING A ROBOT. FLYING A DRONE MISSION. THIS IS WHERE IT STARTS.

INSIDE THE CLUB

WHAT SCHOLARS DO

Every week is hands-on. Across six course rotations, scholars code, build, test, and present real projects that build career-ready skills.

01



BUILD APPS & GAMES

Scholars design a mobile app that solves a real problem, then build and playtest a video game from the first sketch to a playable level.

App design · Unity · Game logic

02



CODE & WIRE CIRCUITS

In Physical Computing, scholars write code that controls real hardware: lights, sensors, buttons, and motors wired on microcontrollers.

Microcontrollers · Sensors · Circuits

03

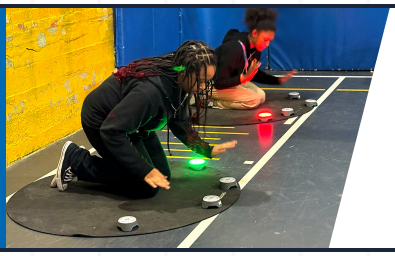


CREATE IN AUGMENTED REALITY

Scholars explore AR, then design and create interactive experiences that layer digital content onto the world around them.

AR tools · 3D design · Interaction

04



PROGRAM ROBOTS & FLY DRONES

Teams program robots to complete engineering challenges, then learn safe flight and apply drone skills to real-world missions.

Robot coding · Flight planning · Safety

05



SHOWCASE EVERY ROTATION

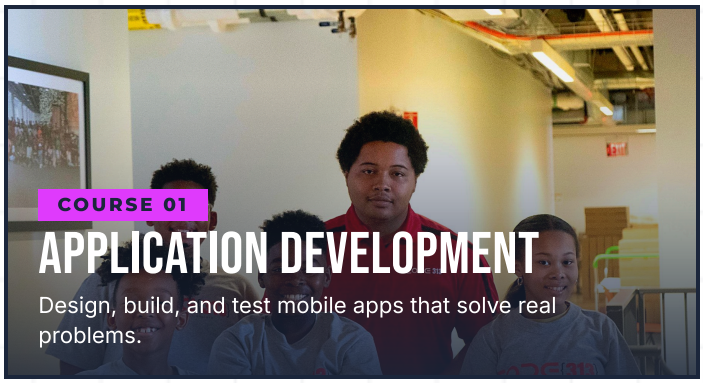
Each course ends with a showcase where scholars demonstrate what they created, reflect on what they learned, and share it with others.

Presenting · Reflection · Teamwork

THE ROTATION MODEL

SIX PATHWAYS. ONE SCHOOL-YEAR EXPERIENCE.

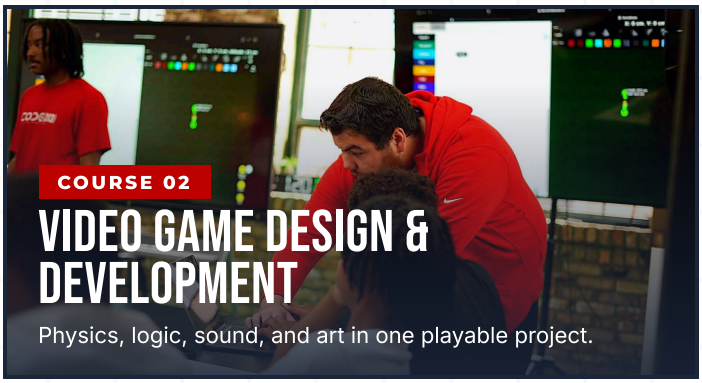
Every CCIC scholar experiences all six technology pathways in one school year. Each course connects to CODE313's Career & Workforce Pathways, so scholars discover what they love and where it can lead.



COURSE 01

APPLICATION DEVELOPMENT

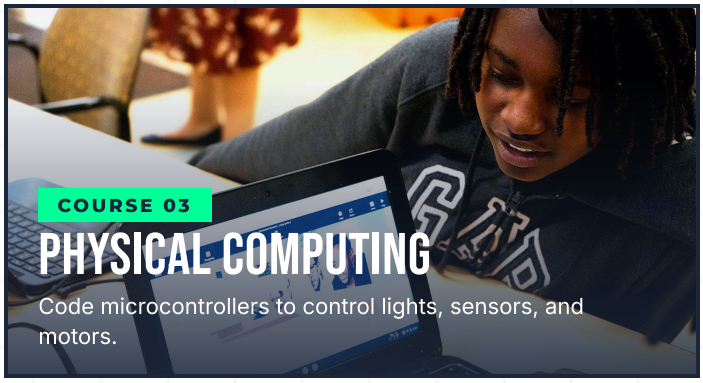
Design, build, and test mobile apps that solve real problems.



COURSE 02

VIDEO GAME DESIGN & DEVELOPMENT

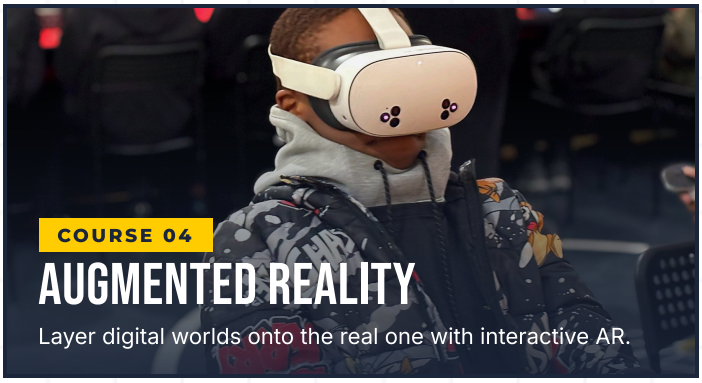
Physics, logic, sound, and art in one playable project.



COURSE 03

PHYSICAL COMPUTING

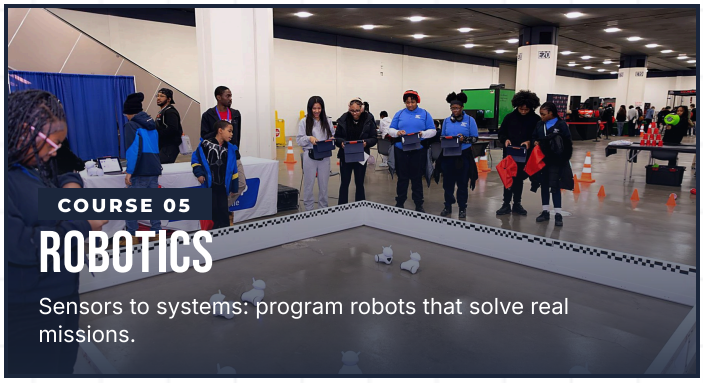
Code microcontrollers to control lights, sensors, and motors.



COURSE 04

AUGMENTED REALITY

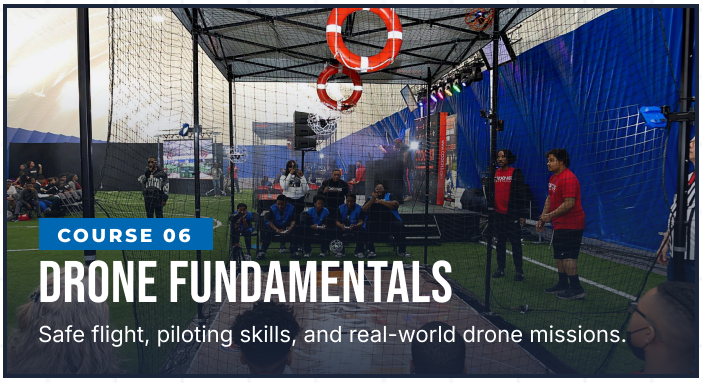
Layer digital worlds onto the real one with interactive AR.



COURSE 05

ROBOTICS

Sensors to systems: program robots that solve real missions.



COURSE 06

DRONE FUNDAMENTALS

Safe flight, piloting skills, and real-world drone missions.

A SCHOOL YEAR AT A GLANCE

SIX ROTATIONS. SIX SHOWCASES.

A CCIC club runs the full school year, September to June. Scholars move through six course rotations, and each one follows the same rhythm: learn the tools, build something real, test it, and show it off.

ROTATION 01

APPLICATION DEVELOPMENT

LEARN → BUILD → TEST → SHOWCASE

ROTATION 02

VIDEO GAME DEVELOPMENT

LEARN → BUILD → PLAYTEST → SHOWCASE

ROTATION 03

PHYSICAL COMPUTING

LEARN → CODE → BUILD → SHOWCASE

ROTATION 04

AUGMENTED REALITY

EXPLORE → DESIGN → CREATE → SHOWCASE

ROTATION 05

ROBOTICS

LEARN → PROGRAM → TEST → SHOWCASE

ROTATION 06

DRONE FUNDAMENTALS

LEARN → FLY → APPLY → SHOWCASE

EVERY ROTATION ENDS ON STAGE.

Each rotation culminates in a showcase where scholars demonstrate what they created, reflect on what they learned, and share their work with peers, families, educators, or community partners. By June, every scholar has six projects across six pathways to show for it.

WHY IT MATTERS

CAREER-READY SKILLS. REAL CONFIDENCE.

CCIC is designed to spark creativity and build the skills scholars need for college, careers, and life.

TECHNICAL CONFIDENCE

Scholars build real apps, wire real circuits, and fly real drones, so tech stops feeling out of reach and starts feeling like theirs.

DIGITAL LITERACY

From apps to AR to online safety, scholars learn how today's technology works and how to use it responsibly.

CAREER EXPOSURE

Mentors, speakers, and field experiences connect classroom skills to high-demand careers right here in Michigan.

TEAMWORK & PROBLEM-SOLVING

Team challenges build the collaboration, communication, and grit every employer is looking for.

CREATIVITY & INNOVATION

Scholars learn to spot a problem, imagine a solution, and build it, the core of every great engineer and entrepreneur.

A CLEAR NEXT STEP

Six rotations link to CODE313's Career Pathways, so scholars leave knowing which tech they love, what to learn next, and where it leads.

ONE-TIME ACTIVATIONS SPARK CURIOSITY. SUSTAINED, YEAR-LONG PROGRAMMING IS WHAT MOVES A STUDENT FROM "I TRIED IT" TO "I CAN DO IT."

App Developer | Junior Game Developer | Embedded Systems Technician | AR/XR Developer | Robotics Technician | Commercial Drone Pilot | UX Designer | Mechatronics Engineer

FOR SCHOOLS

BRING A CCIC TO YOUR BUILDING.

CODE313 brings the instructors, technology, and curriculum. Your school brings the scholars and the space. Together, we launch a club your students will never forget.

CODE313 PROVIDES

EVERYTHING TO LAUNCH

- Trained CODE313 instructors and program coordination
- All technology and supplies: drones, robots, laptops, and kits
- A six-course, school-year curriculum across six tech pathways
- At least one mentor, speaker, or field experience
- A showcase at the end of every rotation
- Attendance and outcomes reporting

YOUR SCHOOL PROVIDES

THE LAUNCH PAD

- 15–25 scholars in grades 9–12
- A classroom or lab with power and Wi-Fi
- A weekly time slot, after school or during the day
- A staff point of contact
- Help inviting families and educators to showcases

01 CONNECT

Reach out to CODE313 to talk goals, grades, and schedule.

02 SCHEDULE

Pick a weekly meeting time and plan your showcase dates.

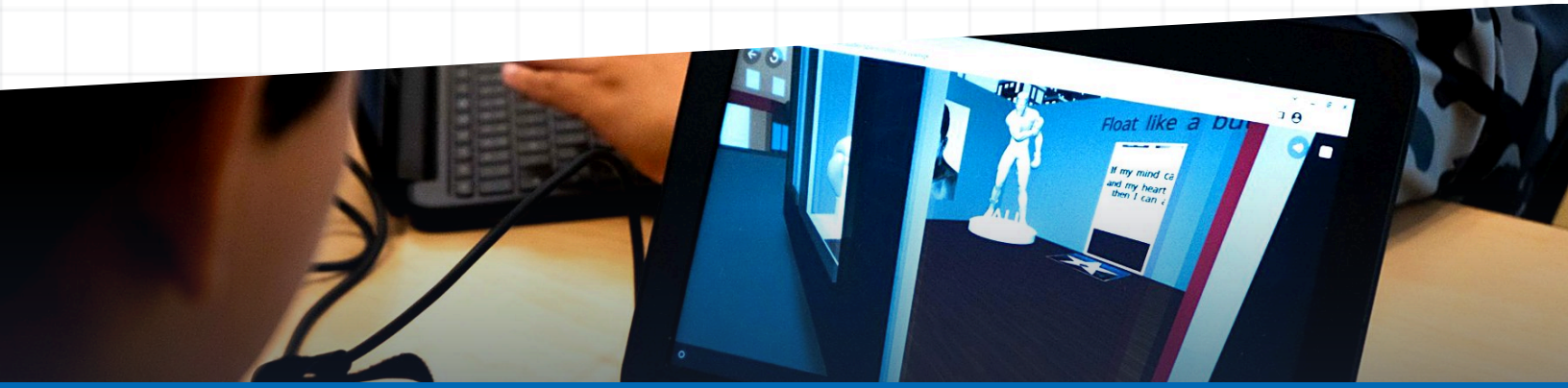
03 RECRUIT

Enroll 15–25 scholars ready to build.

04 LAUNCH

Kick off the school year and watch them take off.

ASK US **Sponsor-funded clubs may be available at no cost to your school.**



FOR SPONSORS · 2026 FEATURED OPPORTUNITY

SPONSOR A CLUB. LAUNCH A FUTURE.

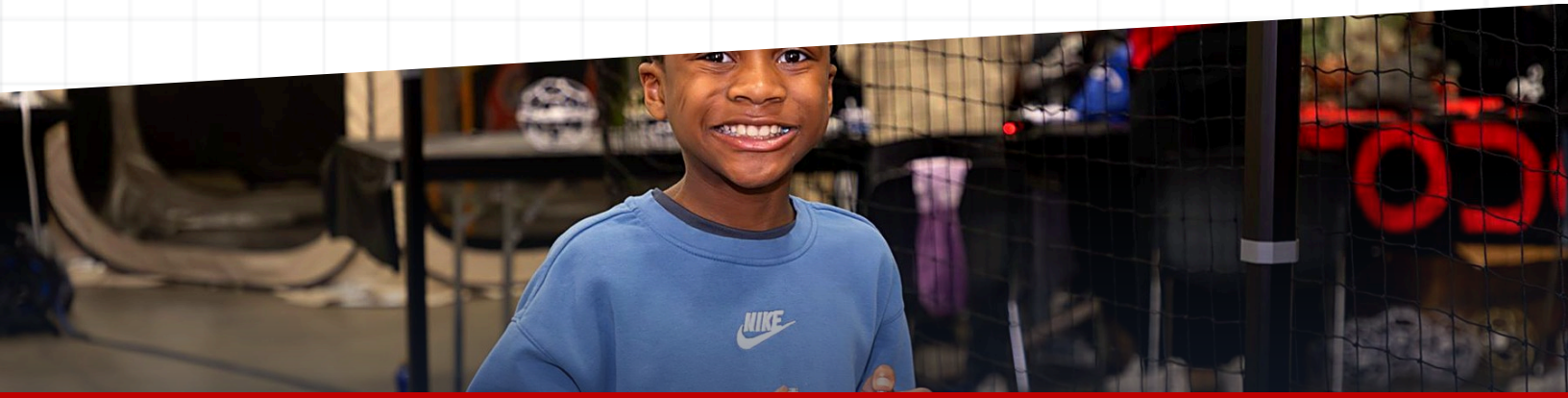
$25,000 SPONSORS ONE FULL CODING & INNOVATION CLUB FOR 15–25 SCHOLARS

$10,000	**Instruction & coordination**	Trained instructors and program management
$6,000	**Technology & supplies**	Drones, robots, laptops, and build kits
$3,000	**Transportation, meals & access**	Removing barriers so every scholar can attend
$2,500	**Career exposure & mentorship**	Mentors, speakers, and field experiences
$2,000	**Evaluation & reporting**	Attendance and outcomes reporting to you
$1,500	**Recognition & showcases**	Celebrating scholars and their supporters

WHAT YOUR GIFT DELIVERS

- A full school year of hands-on STEAM sessions
- Six pathways: apps, games, physical computing, AR, robotics, and drones
- At least one mentor, speaker, or field experience
- Six rotation showcases, with sponsor recognition
- Attendance and outcomes reporting to you

$1,000–$1,667 per scholar for a full school year of instruction, technology, mentorship, and six showcases.



WAYS TO GIVE

EVERY GIFT POWERS A MISSION.

Sponsor a full club, invest in a piece of the experience, or partner with us to bring CCIC to multiple schools.

FEATURED

$25,000

SPONSOR A FULL CLUB

Fund one complete CCIC school year for 15–25 scholars at a partner school, from the first rotation through the final showcase.

MULTI-CLUB

PARTNER ACROSS SCHOOLS

Launch clubs at several schools or across a district, and multiply your impact on Detroit's next generation of innovators.

$1,500+

FUND A COMPONENT

Invest in a specific part of the club experience, from technology to mentorship to the showcases.

FUND A COMPONENT

$6,000
Puts drones, robots, and laptops in scholars' hands

$3,000
Covers transportation, meals, and access for the school year

$2,500
Brings mentors, speakers, and field experiences

$2,000
Funds evaluation and outcomes reporting

$1,500
Powers recognition and the rotation showcases

$10,000
Supports instruction and coordination for the full school year

YOUR SUPPORT, CELEBRATED.

Sponsors are recognized at CCIC showcases and receive attendance and outcomes reporting, so you can see exactly how your investment moved scholars from curiosity to capability.

WHAT'S POSSIBLE

REAL PEOPLE. REAL STORIES.



FEATURED YOUTH

DAVONTAY DELACERDA

COMMITMENT, CONSISTENCY & FLIGHT

Davontay entered CODE313's Youth Part 107 Drone Program at 17. Session after session, he kept showing up, and at just 17 he passed his **FAA Part 107 Certification**, an achievement many adults work years toward.

Today he works as a professional drone pilot with CODE313 and companies such as Aerial Loop, and he's building toward launching his own drone company.

CERTIFIED AT AGE 17

FAA PART 107 CERTIFIED PILOT

WORKING AS PAID DRONE PILOT

THE CCIC PROMISE

EVERY SCHOLAR DESERVES THAT FIRST LAUNCH.

Davontay's story started with showing up and getting hands-on. CCIC gives high school scholars across Detroit that same chance: consistent, year-long time with real technology, real mentors, and a team that pushes them to level up.

YOUR SCHOLAR COULD BE NEXT.

CCIC · GRADES 9–12



9-12
HIGH SCHOOL
SCHOLARS

LAUNCH A CLUB. BUILD THE FUTURE.

LET'S BRING CCIC TO YOUR SCHOLARS.

HEADQUARTERS

CODE313 DETROIT

2987 Franklin St
Detroit, MI 48207

SATELLITE LOCATION

CODE586 MT CLEMENS

155 Cass Ave
Mt Clemens, MI 48043

SCAN TO CONNECT

CALL
313-744-5500

EMAIL
info@code313.com

VISIT
code313.com

HOST A CLUB

SPONSOR A CLUB

BECOME A MENTOR

CODE{313}

create | develop | explore

THEY AREN'T JUST LEARNING TECH.
THEY'RE BUILDING THE FUTURE.

CODE313 CODING & INNOVATION CLUBS

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155 Cass Ave, Mt Clemens, MI 48043