Mctaba Labs

PROGRAMME GUIDE 2026

NOVEMBER TO DECEMBER HOLIDAY

HOLIDAY AI BOOTCAMP

Curriculum, schedule and fee structure for Junior and Senior Secondary students and their parents or guardians.

- **Second group: Monday 9 November to Saturday 12 December 2026**
- **Live online classes from 9 November, with week 1 recorded to catch up, then an in-person Hackathon and Graduation**
- **Grade 7 to Grade 12, no coding experience required**

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Practical, project-based learning. Students leave with work they built themselves.

01 · OVERVIEW

THE PROGRAMME AT A GLANCE

The Holiday AI Bootcamp is a six-week online programme where Junior and Senior Secondary students learn how AI works and use it to build real digital products, live with instructors every weekday morning. Every session ends with something built, tested and ready to show. The programme closes with an in-person Hackathon and Graduation on Saturday 12 December in Nairobi, where students present their projects to parents, guardians and guests and receive their certificates. The second group joins the same live class on Monday 9 November and catches up on week 1 from the recordings.

DATES

Second group: Mon 9 Nov to Fri 11 Dec 2026. Hackathon and Graduation Sat 12 Dec

DAILY SCHEDULE

Monday to Friday, 9:00am to 12:00pm, live on Google Meet. Join by 8:50am

FORMAT

Online from home, cameras on, small groups. Hackathon and Graduation in person at 124 Manyani East Road, Nairobi

WHO IT IS FOR

Grade 7 to Grade 12 students. No prior coding needed, only curiosity

CLASS SIZE

Limited seats. Small breakout groups, with instructors on the call for the whole session

WHAT THEY LEAVE WITH

A portfolio of 3 projects, a certificate, and the confidence to present

HOW LEARNING WORKS HERE

1

Learn the idea

A short, plain-language explanation of one concept. 30 to 45 minutes, never a full lecture.

2

Build it

Students apply the idea immediately, on their own laptops, with instructors dropping into breakout rooms to coach.

3

Show it

Every day closes with a 15-minute show and tell. Presenting becomes normal long before Graduation day.

BY THE END, YOUR CHILD WILL BE ABLE TO

- Explain how AI tools like ChatGPT and Claude actually work, and where they get things wrong
- Build and publish a website and a working mini app with AI assistance
- Use AI responsibly: when to trust it, when to check it, and how to stay safe online
- Write prompts that get useful results for research, writing, design and code
- Break a real problem into steps and solve it with a team
- Pitch an idea clearly in three minutes and demo it in front of an audience

WEEK BY WEEK

Six weeks, one theme per week, one thing built every week. The builds stack: the webpage and app from the first three weeks become the skills the team project needs in the last three. The second group joins in week 2 and catches up on week 1 from the recordings.

WEEK 1
2 to 6 November
RECORDED FOR THE SECOND GROUP

AI foundations and your first build

THEY LEARN
What AI is and how models like ChatGPT and Claude work. Prompting that gets good answers. AI tools for writing, research, images and code. Where AI fails and how to check it.

THEY BUILD
A personal webpage built with AI assistance and published online by Friday.

WEEK 2
9 to 13 November

Building digital products with AI

THEY LEARN
How websites and apps are put together: pages, data and logic. Turning an idea into a product with AI-assisted coding. Design basics. Testing and fixing what breaks.

THEY BUILD
A working mini app, such as a school club site, a quiz or a study tool, with a form and real data.

WEEK 3
16 to 20 November

Smarter products: data, automation and AI inside the app

THEY LEARN
Storing and showing data. Automating repetitive work with AI. Adding a simple chatbot or AI feature to a product. Privacy and responsible use of other people's data.

THEY BUILD
An AI feature added to the week 2 app: a chatbot, a recommender or an automation.

WEEK 4
23 to 27 November

Finding and framing a real problem

THEY LEARN
Spotting a problem worth solving in school or the community. Computational thinking: breaking it into steps. Forming teams with roles and a plan. Sketching the solution before building it.

THEY BUILD
A team charter, a problem statement and a clickable prototype of the Hackathon project.

WEEK 5
30 Nov to 4 December

Build, test, improve

THEY LEARN
Building the first working version as a team. Getting feedback from real users and acting on it. Fixing what is broken, cutting what is not needed.

THEY BUILD
The first working version of the team project, tested by other students.

WEEK 6
7 to 11 December

Polish, pitch and present

THEY LEARN
Making the project reliable enough to demo. Telling the story of the problem and the solution. Pitching in three minutes. Handling questions. Building the portfolio.

THEY BUILD
The finished project, a rehearsed pitch, and a portfolio page showing every build.

FINALE
Sat 12 December

Hackathon and Graduation

Teams present to parents, guardians, guests and a panel, then every student graduates with a certificate. Details on the next page.

HACKATHON AND GRADUATION

After the online classes, everyone meets in person. On Saturday 12 December at 124 Manyani East Road, Nairobi, every team presents the project they built, then every student graduates. Parents and guardians are invited. It is not an exam. It is the moment your child stands in front of an audience, demos something they made, answers questions, and realises they can.

HOW THE DAY RUNS

9:00am	Doors open, teams set up
10:00am	Pitches: 3 minutes per team, 2 minutes of questions
12:00pm	Demo walk: parents try every project hands-on
12:45pm	Graduation: awards, certificates and photos

WHAT TEAMS ARE RECOGNISED FOR

- Best solution to a real problem
- Best use of AI
- Best pitch
- Most improved builder
- Every student receives a certificate of completion

A TYPICAL ONLINE DAY

TIME	WHAT HAPPENS
8:50 to 9:00am	Join the Meet link, cameras on, attendance taken
9:00 to 9:30am	The day's concept, explained simply, with a live demo
9:30 to 10:30am	Build block one: students work, instructors coach in breakout rooms
10:30 to 10:45am	Break
10:45 to 11:45am	Build block two: finish, test, fix
11:45am to 12:00pm	Show and tell, then the day's build is submitted

04 · ONLINE CLASSES

LEARNING FROM HOME

Every weekday class runs live on Google Meet from 9:00am to 12:00pm. The Meet link and a calendar invite arrive by email once the seat is paid, and the same link works every weekday until the last class on 11 December. Here is what to have ready, and how we keep the class safe and supervised.

WHAT YOUR CHILD NEEDS AT HOME

- A laptop (not a phone or tablet), with its charger. A limited number of loan laptops are available on request.
- A stable internet connection. Roughly 1.5 GB of data per session, so home Wi-Fi or a generous bundle.
- Headphones with a microphone, and a quiet spot to work for three hours
- A Google account for Meet, and an email address the student can access. We set up all other tools together on Day 1.
- On 12 December: transport to the venue in Nairobi for the Hackathon and Graduation

BEFORE DAY 1

Test the laptop on Google Meet with the camera and microphone on, check that the internet holds a video call for ten minutes, and install Google Chrome. The Day 1 setup checklist in the welcome email walks through each step. If anything fails, message us on WhatsApp before 9 November and we will sort it out together.

SAFETY AND SUPERVISION

- Attendance is taken at 9:00am every day. We message you if your child has not joined by 9:15am.
- An instructor is on the call for the entire session. Breakout rooms are visited constantly and students are never left alone with strangers.
- Sessions are recorded for students who miss a day. Recordings go only to registered families.
- Parents get a short progress update every Friday in the WhatsApp group.
- Online safety and responsible AI use are taught in week one, not left to chance.

FEE STRUCTURE

One fee covers the whole programme. Pay KES 20,000 in full, or 2 instalments of KES 10,000, or 4 instalments of KES 5,000. A seat is confirmed the moment the first payment lands, and seats are confirmed in the order payments arrive.

PROGRAMME FEE

KES 20,000

per student, for the whole programme

- 75 hours of live, instructor-led online classes, plus week 1 recorded
- All learning materials, AI tool access and session recordings
- Hackathon and Graduation day, certificate and portfolio
- Weekly progress updates for parents

OPTION A

Pay in full

One payment	**KES 20,000**
Due	**Within 5 days of registering**
To start on 9 November	**Pay by Sunday 8 November**

Simplest option. Nothing more to remember once it is paid.

OPTION B

Two instalments

Instalment 1 secures the seat Within 5 days of registering	**KES 10,000**
Instalment 2 By Friday 27 November	**KES 10,000**

Same total, no extra charge. A reminder goes out 3 days before the second instalment is due.

OPTION C

Four instalments

Same total, no extra charge. The dates count from your first payment, and a reminder goes out 3 days before each one.

Instalment 1 secures the seat Within 5 days of registering	**KES 5,000**
Instalments 2 to 4, each Up to 14 days apart, the last by Friday 11 December	**KES 5,000**

HOW TO PAY

1. Open the payment link in your confirmation email, or go to mctaba.com/holiday-bootcamp/pay and enter your registration reference.
2. Choose KES 20,000, 10,000 or 5,000, then pay by M-Pesa (you receive an STK prompt on your phone) or by card.
3. A receipt and the welcome pack arrive by email within minutes. The seat is now confirmed.

Not included: a laptop, internet data, and transport to the Hackathon and Graduation venue.

GOOD TO KNOW

- Unpaid registrations are held for 5 days, then the seat is released. Paying while registration is open brings it back.
- Withdraw before Monday 9 November and 50% is refunded. No refunds once classes have started.
- A seat can be transferred to another student at no cost. Just tell us in writing.
- Questions about fees: hello@mctaba.com or WhatsApp +254 727 795 603.