CODE FOR CHANGE

2018-ov-za-v3

CODEJIKA.COM

OVERVIEW

THE VISION:

1,000,000 Youth Learning Basic Coding

Per annum

OUR BELIEF:

KIDS HAVE THE RESOURCES TO EMPOWER THIS ECONOMY – LET'S LET THEM.

10 –YEAR VISION:

A LARGE POOL OF CONFIDENT, ETHICAL DEVELOPERS INCREASING THE COMPETITIVENESS OF LOCAL MANUFACTORERS AND SMES.

HOW:

1. VIBRANT STUDENT-RUN CODING CLUBS
2. DISTRICT & PROVINCIAL #CODING LEAGUE
3. IN PARTNERSHIP WITH EDUCATION AUTHORITY

WHAT:

FRONT-END WEB DEVELOPMENT

OFFLINE:
CONTENT ON PDFs
CODING IN NOTEPAD
VIEWING IN BROWSER

ONLINE:
MOBILE-FIRST
LITE WEB DEV COURSE
WWW.CODEJIKA.COM

STYLE:
THINK EMOJIES
PRACTICAL
FUN

OUTCOME:
MONETIZABLE DIGITAL SKILLS.
DREAMS OF BUILDING W/ CODE
CONFIDENCE & HOPE

CODE FOR CHANGE

WHAT IS CODEJIKA?

A. **Media campaign** to bring coding into every secondary school.

B. **Online platform** to learn coding online for FREE.
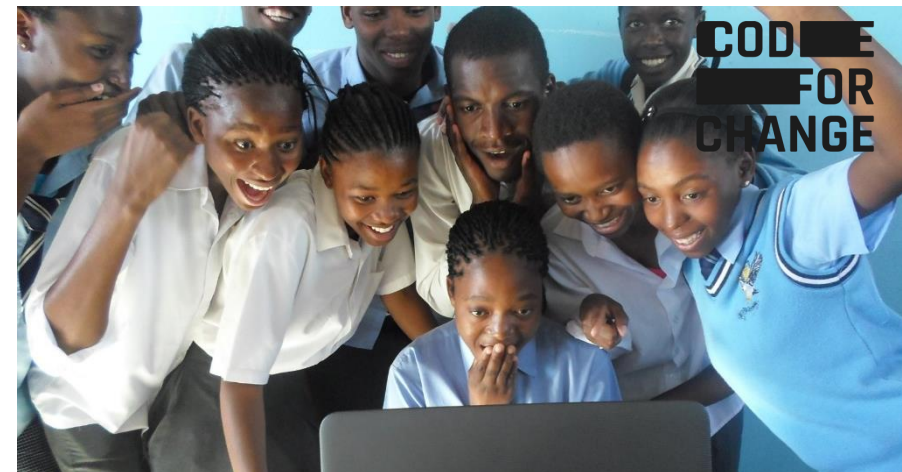
C. **Eco-system** of student-run coding clubs in-school.

WANNA TO KNOW MORE?

Example #Coding**League** / 1 min : https://youtu.be/za819dDbr38

Meet the **Team** / 3 min : https://youtu.be/da82NIbzsHo

LET'S ROCK THIS:

1. **Learn** to code: www.codejika.com

2. **Start** a club: www.codejika.com/club-signup

3. **Fund** a School Club or District #CodingLeague

Code for Change is a non-profit which believes in the youth.

Trained +10,000

Impacted +100,000

Advocating coding in schools since 2015.

www.codeforchange.co.za

JIKA Launch: 23 August 2018

Campaign Drivers:
o Videos, celebrities & ambassadors.
o Events, awards & coding competitions.

EXTRA STUFF: THAT YOU DON'T REALLY NEED

What is Coding?

1. CODING, IS TELLING A COMPUTER WHAT YOU WANT IT TO DO,
WHICH INVOLVES TYPING IN STEP-BY-STEP COMMANDS
FOR THE COMPUTER TO FOLLOW.

2. ALMOST ANYTHING
POWERED BY ELECTRICITY
USES CODE.

3. COMPUTERS CAN UNDERSTAND
DIFFERENT LANGUAGES TOO,..
(LIKE PYTHON, C, C++, JAVASCRIPT, RUBY AND PHP, AMONG OTHERS)

NORMALLY LOOKS
like this:

```
print 'Hello, world!'
```

```
1   function asdf(a){
2   }
3
4   var html = `
5       <div style="width: 100%"
6           <p>foo bar</p>
7       </div>
8   `;
9
10  function blah(){
11
12  }
```

B bloom.bg/1GzwRDU

[You Tube] https://youtu.be/cKhVupvyhKk

5

https://dailytekk.com/what-is-coding-15-facts-for-beginners/

Why Coding in Schools?

CODE FOR CHANGE

1. A LANGUAGE,
& ESSENTIAL SKILL
BEST TAUGHT YOUNG.

2. EVERY INDUSTRY
NEEDS CODE

3. INCREASING
NATIONAL
COMPETITIVENESS

"WE NEED TO FUTURE-SAFE OUR WORKFORCE."

PRAVIN GORDHAN – NOV 2016 CNBC/JSE

BANKING:

J.P.Morgan

Re-skilling 90,000 Employees
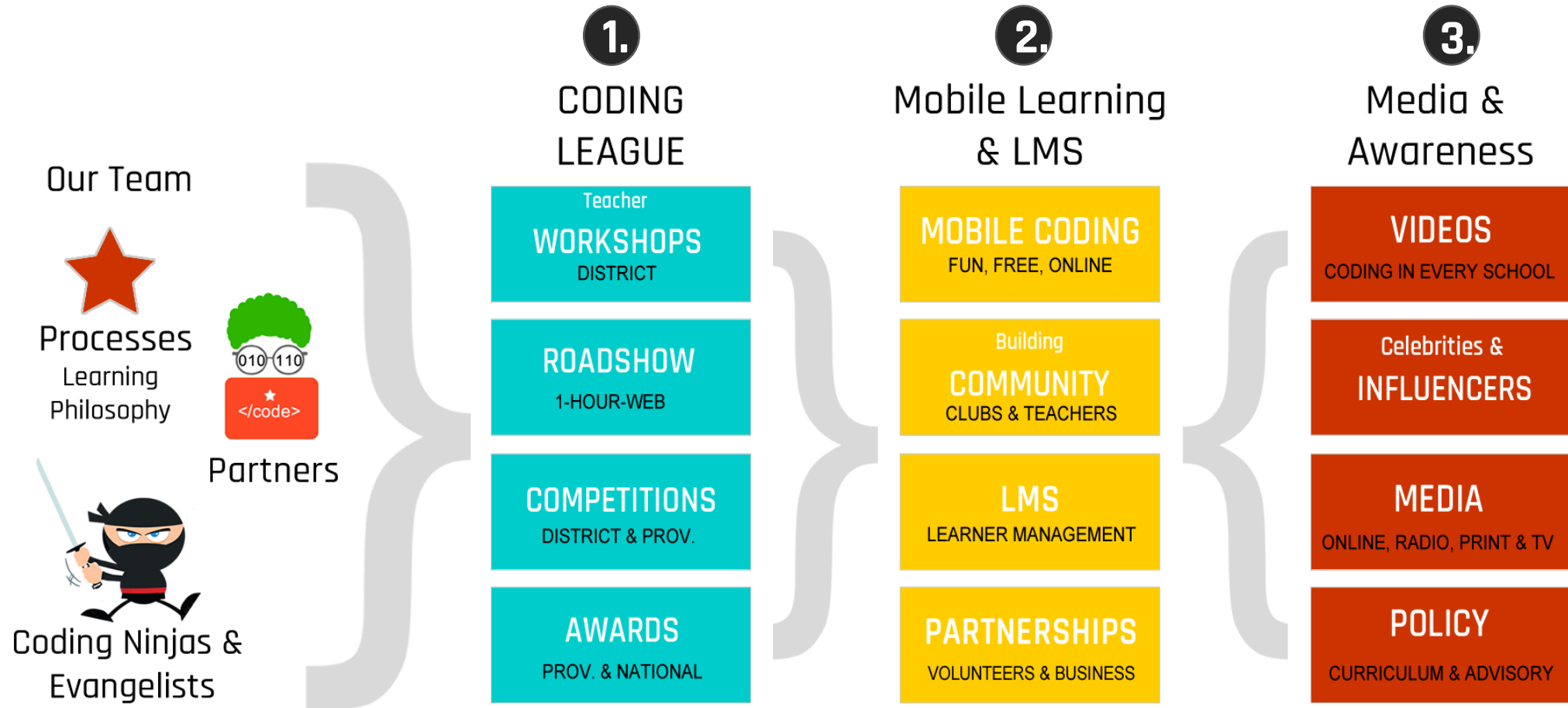with IT Skills

AUTOMOTIVE:

TESLA

A Technology Company

HAND-MADE RUSKS:

Nibbly bits

Using Raspberry Pi simply coded to
monitor oven temperature, timing &
batch management for ISO compliance.

CodeJIKA has 3 Pillars

CODE FOR CHANGE

Our Team

Processes
Learning
Philosophy

Partners

Coding Ninjas &
Evangelists

1. CODING LEAGUE

Teacher
WORKSHOPS
DISTRICT

ROADSHOW
1-HOUR-WEB

COMPETITIONS
DISTRICT & PROV.

AWARDS
PROV. & NATIONAL

2. Mobile Learning & LMS

MOBILE CODING
FUN, FREE, ONLINE

Building
COMMUNITY
CLUBS & TEACHERS

LMS
LEARNER MANAGEMENT

PARTNERSHIPS
VOLUNTEERS & BUSINESS

3. Media & Awareness

VIDEOS
CODING IN EVERY SCHOOL

Celebrities &
INFLUENCERS

MEDIA
ONLINE, RADIO, PRINT & TV

POLICY
CURRICULUM & ADVISORY

Danger of smoking drugs

drugs are a very danderous things and it can separate you from your family

GIVE YOUR MESSAGE.
LEBO, 13 – ITIRELE ZENZELE SECONDARY

GET EXCITED.

DIEPSLOOT 3 SECONDARY SCHOOL

MAKING WEBSITES
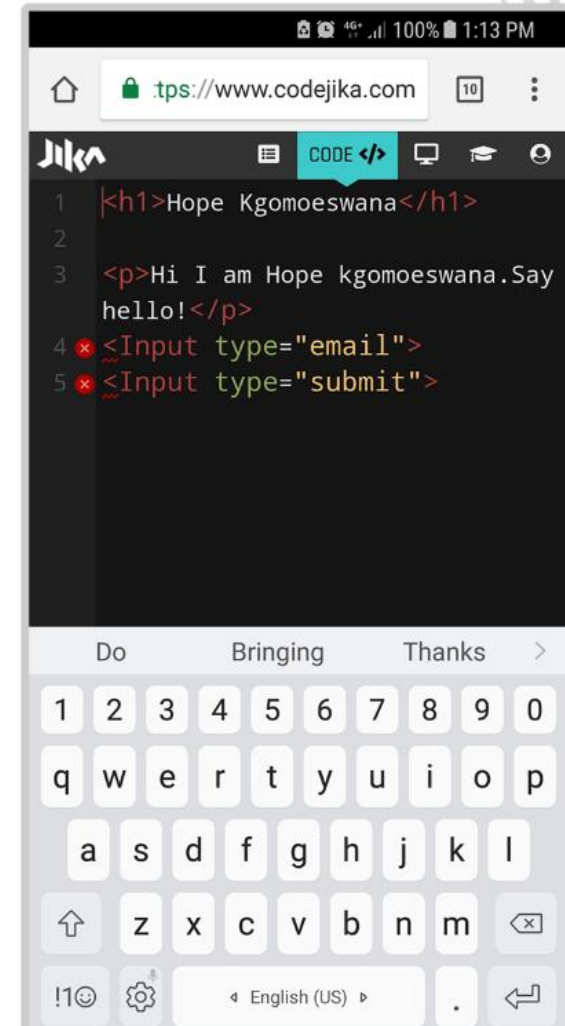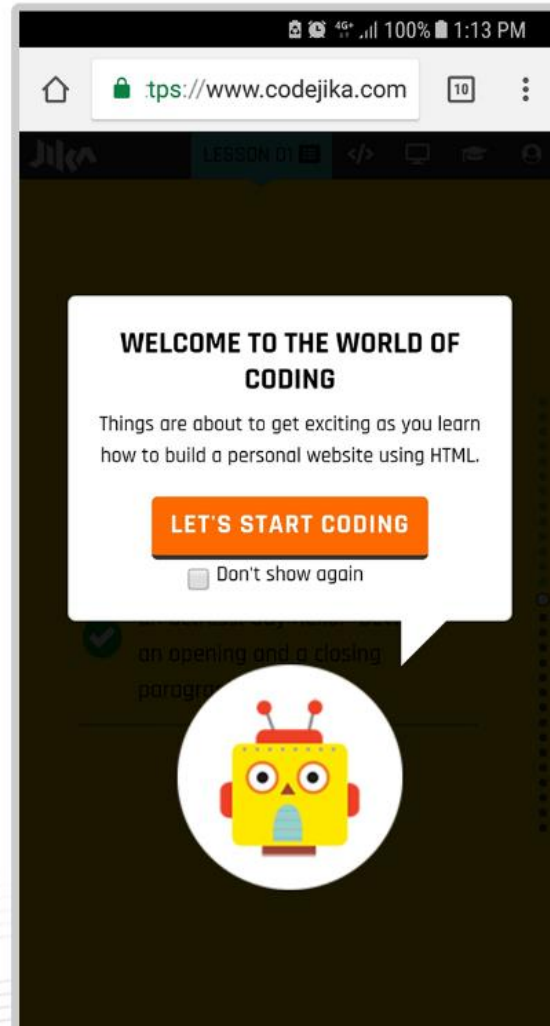## ITHEMBILIE SECONDARY SCHOOL, TEMBISA

CODING AWARENESS

EDU WEEK, JOHANNESBURG

# CODEJIKA.COM

QUIT SOCIAL MEDIA...
BUILD YOUR OWN.

Screen 1 — codejika.com

Start a coding club.

BUILD WEBSITES, APPS AND GAMES

IT'S FREE, START NOW

Screen 2 — .tps://www.codejika.com

LESSON 01

WELCOME TO THE WORLD OF CODING

Things are about to get exciting as you learn how to build a personal website using HTML.

LET'S START CODING

☐ Don't show again

an opening and a closing paragr...

Screen 3 — .tps://www.codejika.com

CODE </>

```
1  <h1>Hope Kgomoeswana</h1>
2
3  <p>Hi I am Hope kgomoeswana.Say
   hello!</p>
4  <Input type="email">
5  <Input type="submit">
```

Do   Bringing   Thanks

1 2 3 4 5 6 7 8 9 0
q w e r t y u i o p
a s d f g h j k l
⇧ z x c v b n m ⌫
!1☺ ⚙ ◁ English (US) ▷ . ⏎

1-HOUR-WEBSITE | HOW TO START

Example: How the
1-Hour-Website looks
upon completion.
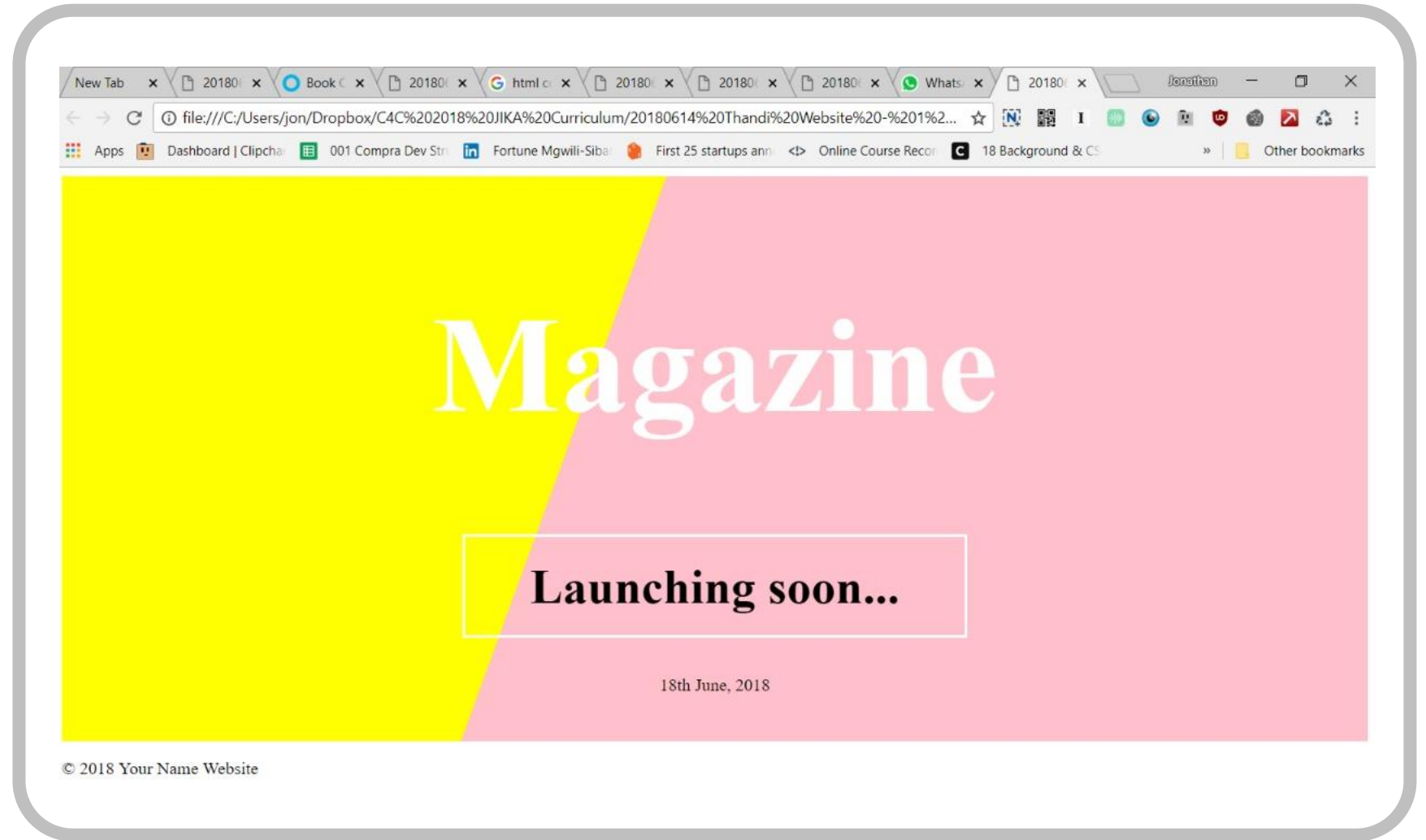
WHY A CODING LEAGUE?

1. Peer & group-learning
2. Developing stars & role-models
   A. Highly performers quickly rise & are further developed.
3. Leverage internal driver: Competition
4. Low-cost to maintain - Using existing infrastructure
5. Innovation through student leadership
6. Faster learning
7. Scalable structure

How to start the Coding Eco-system

ROADSHOW

Projects 1 - 3

EVENT
INTRA-SCHOOL

MONTHLY CHALLENGES

EVENT
INTER-SCHOOL

EVENT
REGIONAL CLUBS

End of YEAR 1

1 Hr
WEBSITE

JIKA
</Make Code>
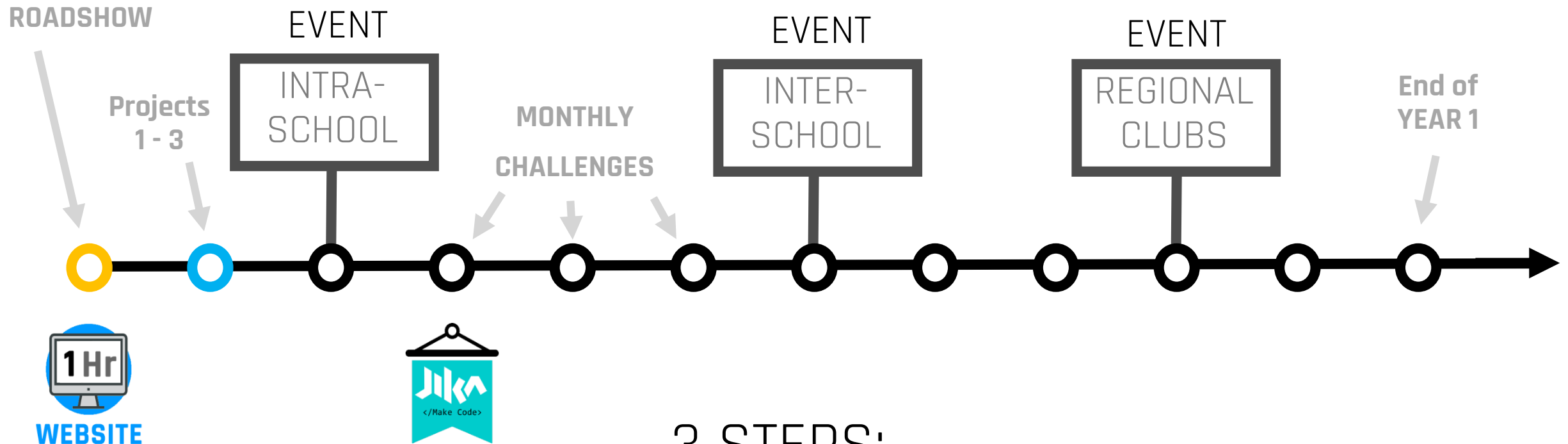
3 STEPS:

1. INITIATE TRAINING
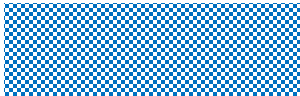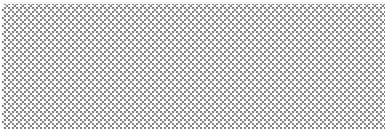ROADSHOW & 3 DAYS JUMP START

2. ADD CLUB LEADERS
ENTHUSIASTIC &/OR TECHNICALLY GIFTED - STUDENTS

3. ASSIGN CLUB MENTORS
CAN BE TRAINERS, TEACHERS OR VOLUNTEERS.

CODING LEAGUE – STRUCTURE & DRIVERS

ZONE:		CLUBS:	DRIVERS:
CLUB/SCHOOL		1	SCHOOL/ASSOCIATES
AREA		3	CLUB/ASSOCIATES
DISTRICT		9	CLUB/DISTRICT COORD/ PARTNERS
REGION		25	DISTRICT COORD/ PARTNERS
PROVINCE		60	PROVINCIAL COORD/ PARTNERS / DBE
COUNTRY		240	NATL. COORD./ CHAPTERS / DBE
REGION SADC EAC ECOWAS		500-1000	NATL. & INTL. COORD./ CHAPTERS / DBE/MoE

ROCK THIS!