AI and Robotics inclusion in **Nigeria** primary and secondary schools using blocky technology

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Introduction

AI and Robotics Inclusions In Nigeria Primary and Secondary schools Using Blocky Technology .

➔ **Who**
   We will talk about our children and their future.

➔ **Why**
   Their potentials and why we should invest in them

➔ **How**
   Tools and skills we can engaged them with.

Think with me

By the end of this section, your audience should be able to visualize:

➔ **Question 1**
  10 years ago, if you are given the opportunity to learn and master AI/Robotics, what impact will that have on you?

➔ **Question 2**
  10 years to come who will likely be asking the same question?.

Meet Stephanie.

She is a JSS 3 student in Nigeria, 3 years to this time she should be done with secondary school and all things been equal 5 years to this time she will be ready for the labour market
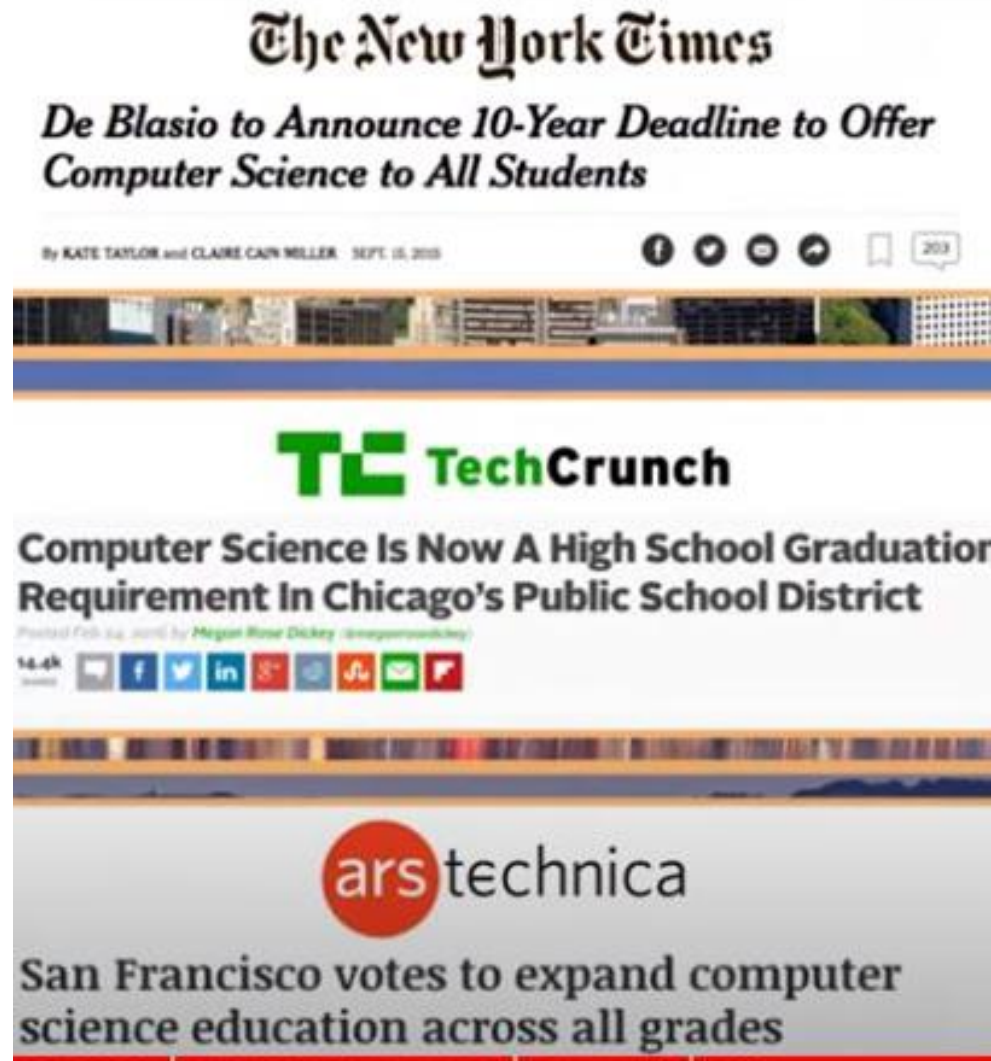
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Global CS inclusion.

So we have some news from New York, Chicago and San Francisco.

Everyone of them are already prepared concerning the outcome of all students that will be graduating from their secondary schools.

What can we learn from them and what can we do?

The New York Times

De Blasio to Announce 10-Year Deadline to Offer Computer Science to All Students

By KATE TAYLOR and CLAIRE CAIN MILLER   SEPT. 15, 2015

TechCrunch

Computer Science Is Now A High School Graduation Requirement In Chicago's Public School District

Posted Feb 24, 2016 by *Megan Rose Dickey* (@meganrosedickey)

arstechnica

San Francisco votes to expand computer science education across all grades

First, let's consider some bottlenecks

1. Accessibility to digital infrastructures, Computers Internet

2. cultural and ethical considerations

3. Skilled personnel are few

The World Economic Forum predicts that AI will create 58 million more jobs than it will displace by 2022, and robotics is projected to continue to grow at a rate of 25% over the next five years
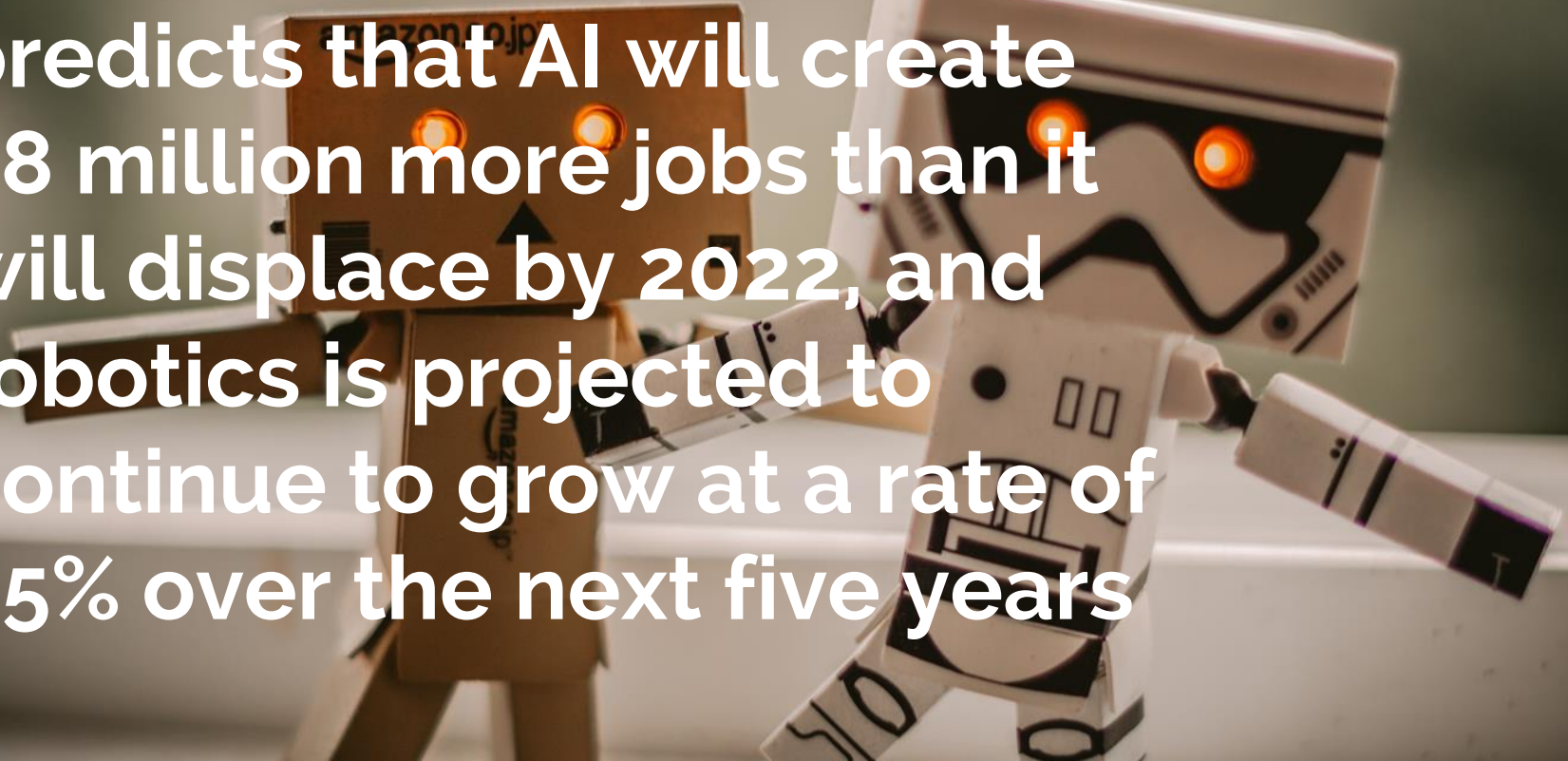
How codePlay72 is solving these problems

Mindset
- **Childrene**
- **Communities**
- **Conversation**
- **Curriculum**

Skillset
- **Complex-problem solving**
- **Creative thinking**
- **Critical thinking**
- **Communication**

Toolset
- **Playground**
- **People**
- **Programming tools and kits**

Leverage
- **Career creators**
- **Scalability**
- **Economic prosperity**

Collaboration with innovation hubs

Students from the home class trained 107 school students in 1 week

Code clubs

Students spend 3 hours every weekend learning and building

Others ways for tech mindset

➜ **Children's day code party**
At this point we have children from the code clubs teach other children

➜ **School outreaches**
We design a 12 weeks programs for schools with computer labs

Skillset

This is David, he code and build Robots. Currently in SS2.

Something, changed about him after this program, he want his friends to learn this skills.

This made him ask if we will come to his school or if we have any flyer for his friends in schools to know about our programs.

Skillset

Meet Roniya, still in primary school, she codes and she also design with empathy

Some of her works made her aunty reached out to us to know if we can consult for her business, Using design thinking principles.

Others skillset we are exploring

➔ **Making them thought leaders**
We encourage them to write about what they are doing and we publish it for them

➔ **Active creators**
All of these kids don't just create the also push them to production where their friends get to see it, use it and give feedbacks.

Toolsets

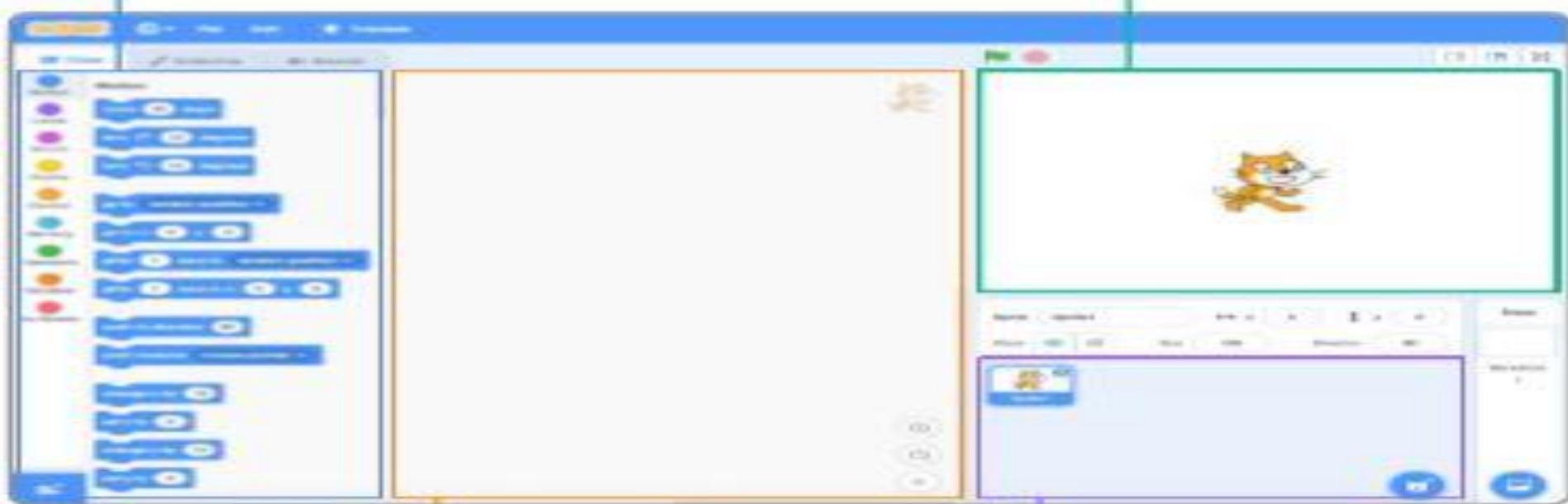The ways our kids are playing now is very different and so is the tools they play with.

Blocks Palette
Blocks for coding your projects

The Stage
Where your creations come to life

Coding Area
Drag in blocks and snap them together to code your sprites

Sprite List
Click the thumbnail of a sprite to select it

Rock Paper Scissors

Secret Code

Semaphores

Shoot the bug

Shy Panda

Smart Classroom

Smart Classroom (easy)

Snap

Leverage

Promising careers

Lead the creators economy

Technology as a scalability

Leverage

- Career creators
- Scalability
- Economic prosperity

Thank You

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