

PARTNER GUIDE

HOW TO SUPPORT AND HOST CODING ACTIVITIES
AS PART OF AFRICA CODE WEEK (OCTOBER 15-23, 2016)



A background photograph of several children performing acrobatic stunts on a dirt ground. One child in the center is upside down, wearing a blue long-sleeved shirt and patterned leggings. To their right, another child is also upside down, wearing a red shirt and blue pants. Other children are standing around, watching. In the background, there is a white bus with some text on it, including "BRIDGE" and "DIGITAL".

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ASTRONAUTS CONFIRMED...

2016

"Providing information affluence to those in the remotest of regions has been my life's dream. Africa Code Week and their partners are doing just that (...) This exciting event will spark the interest and curiosity of students all over the world to be creative, connect to the world beyond their community, and learn the tools that will empower them with a successful career path."



NOAH SAMARA

Founder and CEO of Yazmi,
the world's first
satellite-enabled tablet,
Africa Code Week Patron



AFRICA CODE WEEK CAN NOW BE SEEN FROM SPACE!

88,763

CHILDREN & YOUTH LEARNT CODING WITH



IN 2015

#AFRICACODEWOW



Watch video!



2015



Wall of Fame



13989



Number of children & youth engaged

Nombre total de jeunes impliqués au total

88 763 youth engaged / jeunes formés

3 000+ coding events / ateliers de codage

413% above initial target / objectif surpassé !



Top 3 Total engagement Participation totale

33 589



20 291



17 176



Un immense merci à notre réseau de plus de 100 partenaires et 70 ambassadeurs !

Huge thanks to our 100+ partners & 70+ ambassadors!

100+

partners across 17 countries / partenaires sur 17 pays

Governments, NGOs, NPOs, businesses, CoderDojos, code clubs, community centers, schools, universities - and still growing!

Instances gouvernementales et non-gouvernementales, tissu associatif, entreprises, CoderDojos, code clubs, centres communautaires, écoles, universités.



D'autres chiffres cools
More cool stats!



Over / plus de 50%

girls engaged in South Africa, Togo & Tunisia / de filles dans les ateliers en Afrique du Sud, au Togo et en Tunisie

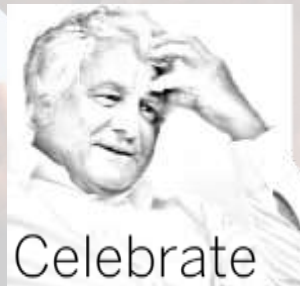
2 088

teachers trained / enseignants formés

AN AWARD-WINNING INITIATIVE



March 8, 2016: SAP - Africa Code Week **wins** the 'Education of the Future' award from the World Communications Forum in Davos.



Celebrate

Innovation.
Entrepreneurialism.
Courage.

August 2016: Africa Code Week got **nominated** for the Hasso Plattner Founders' Award.

August 2016: Africa Code Week is **finalist** for the Judges' Choice Award in the Corporate Initiative Category - celebrating organizations that create economic opportunity in the digital era.



MIT IDE
INCLUSIVE
INNOVATION
COMPETITION

“SAP has achieved remarkable success with Africa Code Week events.” Adrian Schofield, Manager of Applied Research, JCSE



Africa Code Week 2016 to tackle continent's digital skills gap



SAP supports ICT growth and skills development in Rwanda

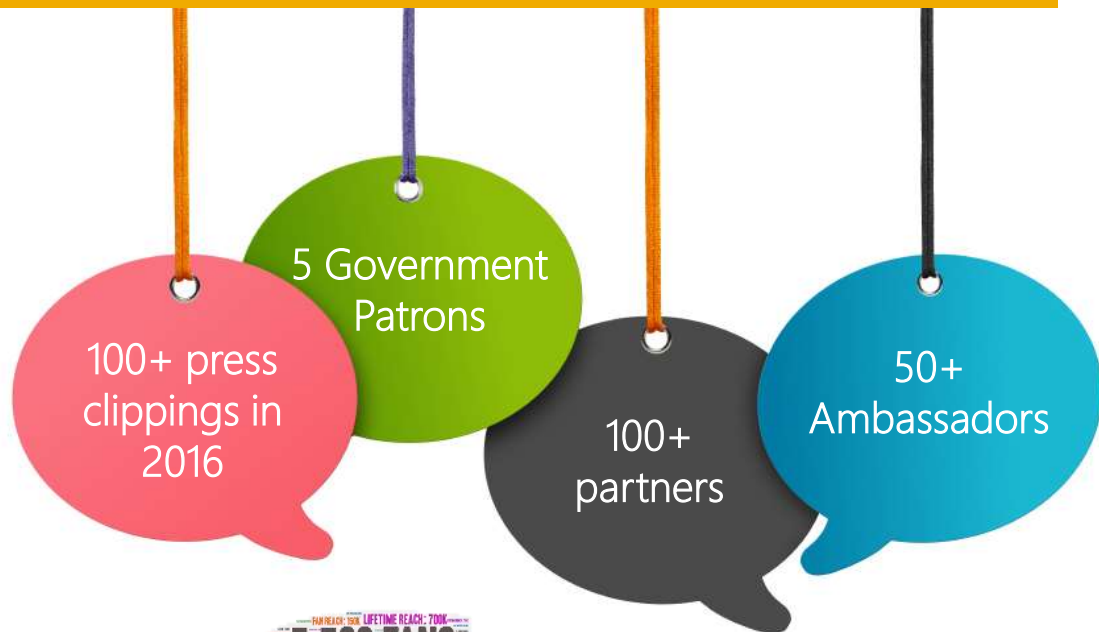
SAP Africa new initiative to bolster women in technology

“Historic. Arguably the first initiative of its kind on the continent.”

Savious Kwinika, Journalist



“An opportunity to marvel at what the future holds.” Bill McDermott, CEO, SAP



#AFRICACODEWEEK

ENGAGED MINISTRIES



France:

Ministries of State for Digital Affairs & Development & Francophonie

Germany:

Deutsche Gesellschaft für Internationale Zusammenarbeit

Morocco:

Ministry of Education & Vocational Training

Tunisia:

Ministry of Education

Egypt:

Ministry of Education

Togo:

Ministry of Post & Digital Economy

Cameroon:

Ministry of Education & Vocational Training

Rwanda:

Ministry of Youth & ICT

South Africa:

Ministry of Education, Western Cape



OVER 100 PARTNERS ALREADY

3 KEY PARTNERS



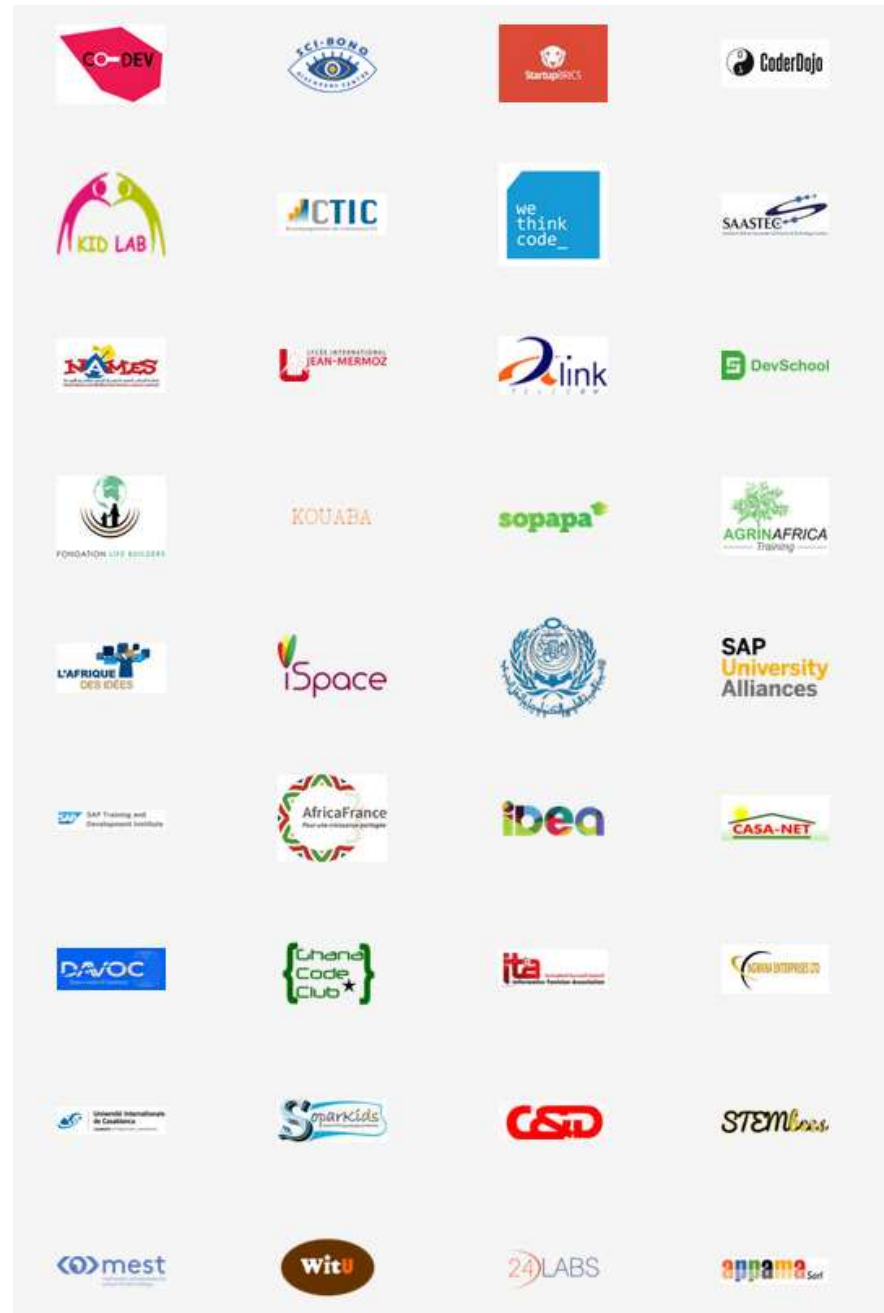
15 STRATEGIC PARTNERS

Supporting the initiative across several countries



100+ NETWORK PARTNERS

Supporting the initiative within a specific country



2016 SCOPE

OCTOBER 15-23, 2016

SCRATCH CODING
WEB PROGRAMMING
FREE EDUCATION
JOB RELEVANT SKILLS
OVER 100 PARTNERS
30 COUNTRIES
150,000 CHILDREN/YOUTH
THOUSANDS OF CODING CLASSES
3 AGE GROUPS



A SUSTAINABLE **IMPACT**



LONG-TERM (NEXT 10 YEARS)

Further widen access to coding workshops & resources to **5M+** children and youth



MID-TERM (3-5 YEARS)

Expand coding initiatives to more African countries:

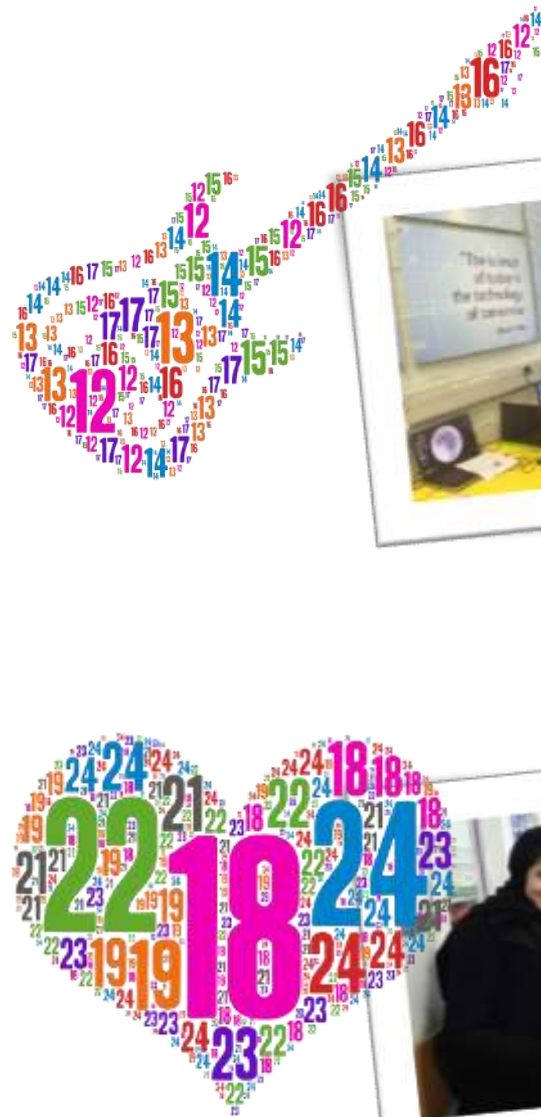
- Engage **1M+** children and youth
- Equip **200,000+** science teachers with all relevant resources



SHORT-TERM (NEXT 3 YEARS)

Introduce **500,000** kids & youth to coding across **30** African countries.

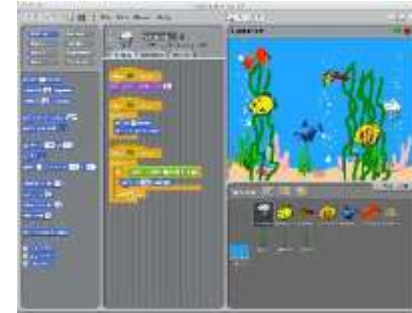
3 DIFFERENT AGE GROUPS



CURRICULUM

8-17: LEARN CODING WITH SCRATCH

A **free** application developed by the MIT to **simplify** the face of coding for the young generation. 14M projects shared on scratch.mit.edu to date.



18-24: WEB PROGRAMMING MASTERCLASS

Offering an introduction to Web Technologies (HTML, CSS, Javascript, PHP, SQL), this workshop gives students a good understanding of a typical website architecture and teaches them to create a fully operational, mobile-friendly website.



CODING CURRICULUM

FOR YOUTH:

FOR TEACHERS:



CODING FROM SCRATCH!



TRAIN-THE-TRAINER SCRATCH LEVEL 1 & 2



CODING FROM SCRATCH!



TRAIN-THE-TRAINER SCRATCH LEVEL 1 & 2



JOIN OUR WEB PROGRAMMING MASTERCLASS AND BUILD YOUR OWN WEBSITE!

TRAIN-THE-TRAINER WEB PROGRAMMING



FREE ONLINE COURSES openSAP

- Free of charge
- 4-6 hours of learning
- Enroll anytime
- Record of Achievement earned at the end

For teachers, parents and guardians of children aged 8 to 11: <https://open.sap.com/courses/acw1-2>



**'TEACHING PROGRAMMING
TO YOUNG LEARNERS'**

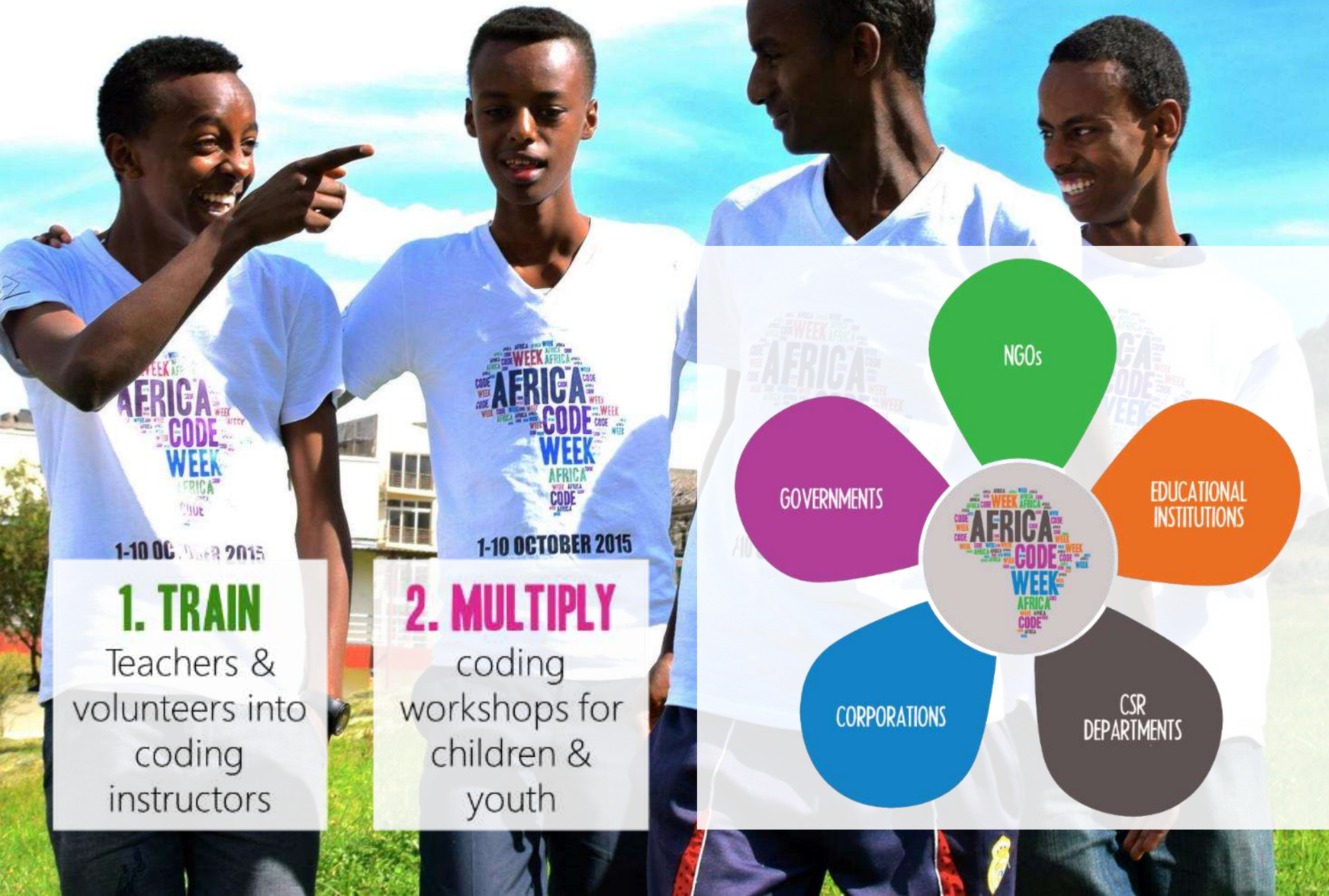
For teens: <https://open.sap.com/courses/acw2-1>



'TEENS GET CODING!'

Enroll today! All materials are also accessible offline for those with limited Internet access.

YOUR MISSION, SHOULD YOU ACCEPT IT...



1-10 OCTOBER 2015

1. TRAIN

Teachers &
volunteers into
coding
instructors

1-10 OCTOBER 2015

2. MULTIPLY

coding
workshops for
children &
youth



- **Promote** coding as part of your digital agenda
- **Spread** the word through schools
- **Host** your own coding events and help more to take place
- **Source** Africa Code Week Ambassadors
- **Provide** trainers

CONTRIBUTION

GOVERNMENTS



BENEFITS

- **Foster** new skills and talents in a creative way
- **Join** an exceptional, global network of leading companies, opinion leaders, science centers & nonprofits
- **Leverage** our network, infrastructure, communications tools & open source learning platform to promote events
- **Measure** event impact on your country

NGOs



- Host events
- Provide trainers
- **Leverage** resources to invite underprivileged kids/youth to participate to coding workshops
- **Report** on event attendance for success measurement

CONTRIBUTION

- Get your trainers trained for free!
- **Leverage** our network, infrastructure, communications tools & open source learning platform to organize and host events
- **Engage** your community in a unique, continent-wide initiative

BENEFITS

CONTRIBUTION

- Spread the word
- Host events
- Invite teachers to participate
- Provide trainers
- Promote our free, open source learning platform & resources
- Report on events for success measurement

EDUCATIONAL
INSTITUTIONS



BENEFITS

- Get your trainers trained for free!
- Leverage our network, infrastructure, communications tools & open source learning platform
- Get the best teachers on board!
- Engage pupils/students and parents in a unique, continent-wide initiative



BUILD YOUR BRAND!

Position your company as a key actor on the tech scene, dedicated to fostering e-skills & talents amongst African youth.

TAKE YOUR CSR AGENDA...

to the next level of employee engagement and social impact with employees and partners taking creative action towards building Africa's future.

JOIN AND ADDRESS...

a pan-African & global network of leading companies, opinion leaders, science centers and nonprofits.



NETWORK PARTNERSHIP: COUNTRY FOCUS

- Empower employees into Master Coding Instructors and/or ACW Ambassadors in selected country
- Host Train-The-Trainer sessions to empower thousands of adults as coding teachers in their respective communities
- Engage employees, customers & partners as skilled volunteers in coding workshops
- Sponsor Coding buse(es)
- Include your promotional goodies in our Bags4kids
- Multiply social media followers through our Facebook & Twitter channels

STRATEGIC PARTNERSHIP: CONTINENT-WIDE REACH

- Same benefits as listed above, expanded across as many countries as you want, plus:
- Get featured interviews on our ACW blog & newsletter
- Get featured as a Strategic Partner in a media interview
- Get communications / editorial support from our Project Team

SPONSORING A CODING BUS

REACHING CHILDREN IN REMOTE AREAS

- Coding class on wheels: ICT equipped buses tour rural areas to bring free coding workshops to children.
- ACW Master Instructors welcome children on board for a 60-minutes Scratch workshop.
- 2,000+ children engaged on board the "Ampion Africa Code Week on Tour" bus in South Africa & Rwanda last year.

OPPORTUNITY

- Brand the bus with your company logo
- Name bus "(Your Company) Africa Code Week on Tour"
- Engage your own skilled volunteers as Coding Instructors on board.
- Relay team's journey on social media

Refugee children break-dancing in front of the RDB Coding Bus in Rwanda – April 2016

A photograph showing a man in a dark suit and a young boy in a blue school uniform sitting at a desk on a bus. The man is leaning over the boy, pointing at the laptop screen which displays a Scratch coding interface. The bus interior has blue curtains and windows in the background.

**IN 2015, OVER 2,000 CHILDREN
IN REMOTE AREAS LEARNT
CODING THANKS TO OUR MOBILE
CLASSROOMS**

Rwandan Minister of Youth & ICT Jean
Philbert Nsengimana helps a young
Scratch coder on board the 'Ampion
Africa Code Week On Tour' Bus



WHAT DO I NEED TO HOST A WORKSHOP?

A GROUP OF PEOPLE WILLING TO LEARN

Pupils, students, coworkers, friends, employees.
Remember: 2 is a group already!

ONE OR MORE TEACHERS OR FACILITATORS

No need to be professional programmers!

A PLACE TO BE AT

Don't try to stuff too many people in a windowless room because nobody enjoys coding with a headache.

COMPUTERS WITH BROADBAND INTERNET

Make sure they already have Scratch installed and provide participants with instructions on how the installation can be done on their own devices.

CHECKLIST FOR A SUCCESSFUL WORKSHOP

1. VENUE

- ☐ A quiet, ventilated area equipped with PCs (i.e.: classroom, meeting room, library, etc.)
- ☐ Room setup shall facilitate group exchange and team work.

2. HARDWARE & SOFTWARE

- ☐ PC workstations (the Scratch offline version allows you to run a workshop without Internet access).
- ☐ 1 mouse per workstation.
- ☐ 1 video projector per instructor.

3. SCRATCH SOFTWARE — OFFLINE VERSION

- ☐ You can download it here:
<https://scratch.mit.edu/scratch2download/>
- ☐ Scratch must be installed on every single PC before the workshop starts. Tutorials are available here:
https://scratch.mit.edu/projects/editor/?tip_bar=home
(click on the globe icon in the top left corner to choose your language. Translated tutorials will then appear on your right)

- ☐ On the openSAP platform, a free MOOC called 'Teaching programming to young learners' (specifically designed for Africa Code Week) will be available again in 2016.

4. DURATION

- ☐ 60 minutes is the ideal duration for such beginner workshops.

5. RATIOS

- ☐ 1 PC for 2 kids.
- ☐ 1 main instructor presenting Scratch with the video projector.
- ☐ Additional trainers/coaches scattered across the room to assist and guide children (typically 1 coach for 6/8 kids depending on their level).

6. ICING ON THE CAKE...

- ☐ Plan a little snack break!
- ☐ Request your Africa Code Week T-shirts and notepads!

A FEW MORE TIPS...

Make the event beginner friendly...

Don't focus on the technicalities, try to show the fun and practical aspect of whatever technology is being used.

Event format is up to you

But allow enough hands-on time for students to create something on their own.

Use whatever tools & technologies you're most familiar with

Although we do recommend freely available open source tools and frameworks. Learning something completely new can be intimidating.

A smile and a friendly atmosphere

Can help break the ice and make those, who don't consider themselves "technical" at ease.





WHO IS THE ACW AMBASSADOR IN MY COUNTRY?

Find out now!

Ambassadors are your local anchors for Africa Code Week event orchestration, questions and support.

Feel free to reach out to them to get started on hosting your own coding workshops or simply get introduced to other interested schools / organizations. They are here to help you engage as many children and youth as possible in your community!

[HTTP://WWW.AFRICACODEWEEK.ORG/ABOUT/AMBASSADORS](http://www.africacodeweek.org/about/ambassadors)



COOL VIDEOS

MICASA UNLOCKS AFRICA!



https://www.youtube.com/watch?list=UULsDxZy4emRr0DZJXZO_OtQ&time_continue=271&v=INMqsMc6bfc

AFRICA CODE WEEK 2016: LET'S CODE!



Claire Gillissen-Duval
Director, CSR EMEA, SAP

<https://www.youtube.com/watch?v=2g1CVWT2Wtw>

AFRICA CODE WEEK IN THEIR EYES...



<https://www.youtube.com/watch?v=QJSeWOGYDxs>

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CTSC
CapeTownScienceCentre

SAP

GALWAY EDUCATION CENTRE
Ionad Oideachais na Gaillimhe

CTSC 
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