18-25 OCTOBER 2017
africacodeweek.org

FREE CODING WORKSHOPS FOR 500,000 YOUTH ACROSS 35 COUNTRIES.

CODING FROM SCRATCH!
12-17 AGE GROUP

Today, we are surrounded by computerized technology. When we think about software, we often think of computers for writing emails or surfing the internet. But software is everywhere! It's in many of our household appliances and is used to produce many of our manufactured products such as our clothes. So maybe you enjoy using software, but why not start creating it for yourself? You never know where it might lead – you might even end up using your new coding skills in your job one day!

And if you've never done any programming before – no problem – this is the place to start. All you need is some free time and a bit of curiosity. You'll be truly astonished at what you can do in next to no time! If you're aged between 12 and 17, this course is for you: it is based around the popular Scratch system that is capturing the imagination of young people around the globe.
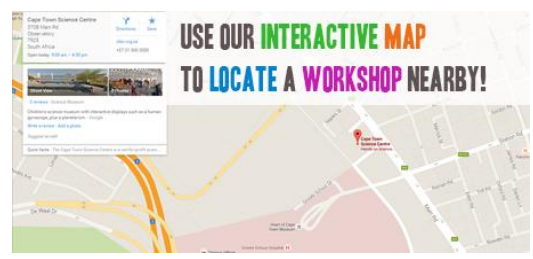
" I learned how to fly a hot air balloon when I was 30,000 feet up and my life was in the balance: you can learn skills at any age but why wait when we can teach everyone to code now? Whether we're fighting climate change or going to space, everything is moved forward by computers, and we don't have enough people who can code. **»**
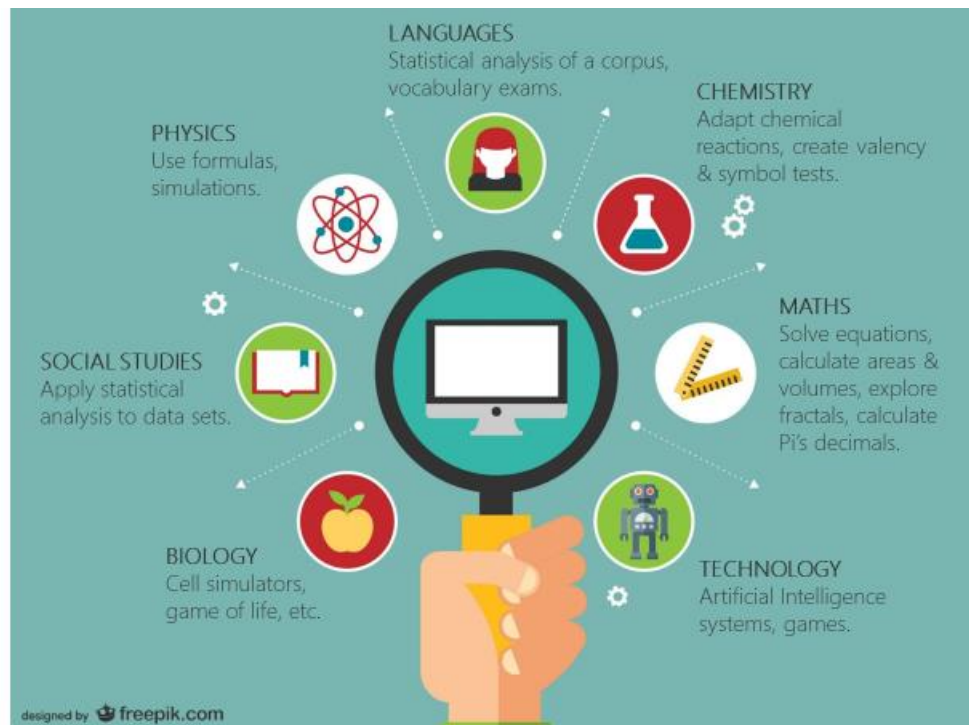
RICHARD BRANSON, FOUNDER OF VIRGIN GROUP

PHYSICAL WORKSHOPS

From 18-25 October 2017, thousands of physical workshops will be held across 35 countries. Please use our interactive map to locate an event near you!

USE OUR INTERACTIVE MAP TO LOCATE A WORKSHOP NEARBY!

CODING IS A CROSS-CURRICULAR SUBJECT

Once you master the basis and start coding, you can leverage this to start solving a variety of problems from virtually any other subject.

LANGUAGES
Statistical analysis of a corpus, vocabulary exams.

PHYSICS
Use formulas, simulations.

CHEMISTRY
Adapt chemical reactions, create valency & symbol tests.

SOCIAL STUDIES
Apply statistical analysis to data sets.

MATHS
Solve equations, calculate areas & volumes, explore fractals, calculate Pi's decimals.

BIOLOGY
Cell simulators, game of life, etc.

TECHNOLOGY
Artificial Intelligence systems, games.

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ONLINE COURSE

If you can't make it to a physical workshop, you can take the 'Africa Code Week: Teens Get Coding!' course online on openSAP. This course is also great if you have attended a workshop and would like to take your coding journey to the next level. It consists of 5 video lessons. After each video, you can take a short self-test to see if you have understood everything. If not, you can go back and watch the video again. There also some exercises to help you design and create your own computer game. In total, you'll need about 6 hours to complete the course.

All you need is a computer and temporary access to the Internet to download Scratch. If your Internet connection is good enough, you can watch videos online directly but if not, you can download them and watch them offline.

- Starts: September 26, 2017. You can still access all the content in self-paced mode by then.
- Ends: October 25, 2017. You can still access all the content in self-paced mode after this date.
- Commitment: about 6 hours
- Final exam: yes (you can take the exam anytime)
- Course language: English
- Record of achievement delivered at the end? Yes
- **Enroll today!** https://open.sap.com/courses/acw2-2

TARGET AUDIENCE

- Young people aged between 12 and 17

PREREQUISITE

- There are no technical requirements for this course.
- All you need is a computer and temporary access to the Internet to download Scratch.

CODING IS A NEW LANGUAGE. EVERY CHILD DESERVES TO BE FLUENT.

- All workshops and online courses, as well as the Scratch system are completely free-of-charge.

> Beyond coding as the 21st century language, we are imparting the right skills and attitudes and a culture of innovation and creativity among young Africans. Africa Code Week is also shedding light on how public-private partnerships can be renewed in the digital age for greater scale and impact: if young Africans see that governments, nonprofits and the private sector are working as one voice to deliver on joint education priorities, trust is seeded and they feel encouraged to start owning and living their dreams.

CLAIRE GILLISSEN-DUVAL

Director of SAP Corporate Social Responsibility, Europe, Middle East & Africa. Africa Code Week Global Lead.