



UNIVERSITY OF
KWAZULU-NATAL™
INYUVESI
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STEC@UKZN

"Lock Down"

LEARN HOW TO CODE IN SCRATCH



Scratch is a free programming language that allows you to create your own interactive stories and games. For example on your smartphone or tablet. There are two different versions. ScratchJr for young children (ages 5-7, or people that don't have any clue about programming) and Scratch (ages 7+). The free programmes are aimed at children, but hey if adults want to try it, we won't tell. Everybody can do it. We decided to start with ScratchJr so that everybody can try it out. If you are interested in the real deal Scratch, visit their website

<https://scratch.mit.edu/>

START



First of all you need to install ScratchJr on your device (Using ScratchJr on a small screens with big fingers and bad eye sight can be a bit of a challenge).

ScratchJr

Apple Store (i-Pad, i-phone)

<https://apps.apple.com/us/app/scratchjr/id895485086>

Google Play (Android)

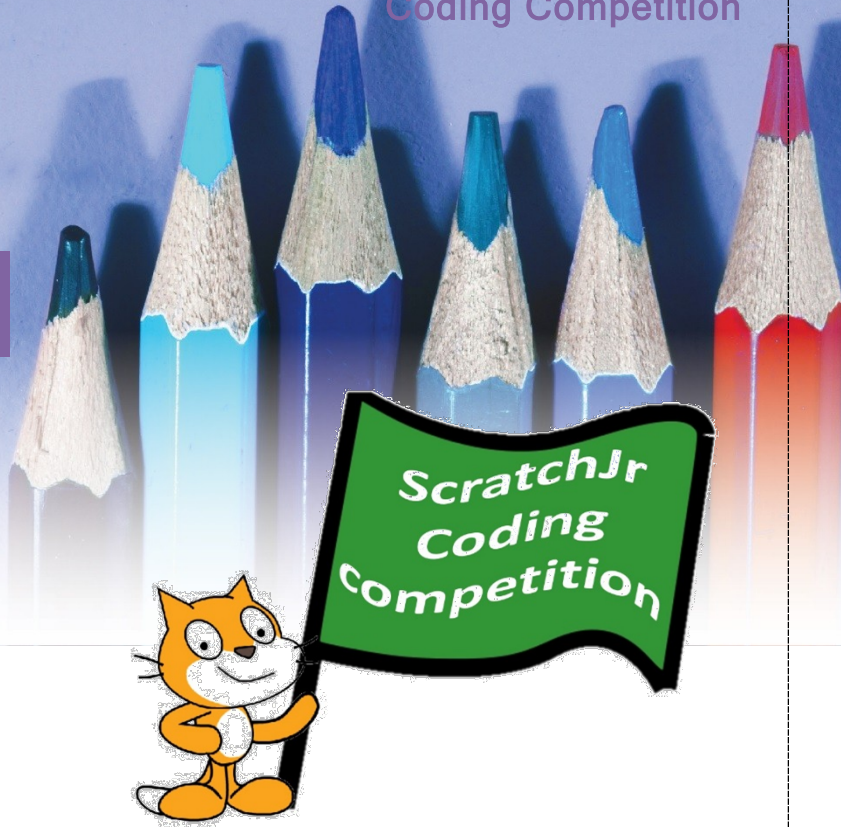
https://play.google.com/store/apps/details?id=org.scratchjr.android&hl=en_ZA

Unfortunately ScratchJr is officially not available for desktop computers.

There are lots of information and video tutorials on the ScratchJr Tips&Hints website:

<https://www.scratchjr.org/learn/tips>

Coding Competition



THEME:

*"THINGS THAT I WANT TO DO
AFTER THE LOCKDOWN"*

CODE IN SCRATCHJR AND WIN


This coding competition is to encourage everybody to learn to code with ScratchJr - a graphical coding software. This competition is ideal for everybody to begin their journey into the world of coding and have a lot of fun doing it!

General Guidelines

- The competition is open to anybody and has two age groups:
 - ≤10 years
 - >10 years
- You can participate individually or in family teams (maximum of 3 people). At least one team member needs to be ≤11 years if you want to participate in the ≤11 year's group.
- You must make the project in ScratchJr.

Prepare

Brush up your coding skills. Everybody can learn to code and with ScratchJr it is really easy.

Just download app, tap on the  and watch the introduction video or the sample projects.

We also attached a ScratchJr guide (scratchjr.org) and some scratch tutorials in this special issue.

Submit Your Project

The next step, after getting to know ScratchJr, is to think on what you want to do after the lockdown and make an original innovative project in ScratchJr telling us about it.

Once you've made your project, e-mail it to stec@ukzn.ac.za (along with the name of each team member and his/her age, the title of your project and a short description of your project). You or your team can submit more than one project.

Any questions? Send an e-mail to stec@ukzn.ac.za and we will gladly assist.

The LAST date for submitting the project is the May 31, 2020.

The results will be announced on **June 15, 2020**. Till then, keep coding and keep innovating!

We reserve the right to post the projects on the STEC@UKZN website.

What Type of Project Can I Make?

The project can be anything: a story, an animation, or a game. As long as it complies with the rules and is original (no copying ideas from somebody else) and unique, it will be considered.

What Can I Win?

Age group ≤10 years

Grand first prize

A *Bottle Jet* workshop for 10 people

2nd-5th prizes

A CAES goody bag for each team member

Age group >10 years

Grand first prize

A *LEGO robotics* workshop for 10 people

2nd-5th prizes

A CAES goody bag for each team member

Each participating team or individual gets a participation certificate.

