



UNIVERSITY
OF
JOHANNESBURG

FACULTY OF EDUCATION

Coding and Robotics for Teachers

Joyful and creative learning experiences in action

Learn to code creatively (using the programming language Scratch) and develop competencies for a changing world, including computational thinking and creativity.

We offer two opportunities to qualified teachers, namely **Creative Coding for Teachers**, and a Short Learning Programme (SLP): **Creative Coding and Robotics for Teachers**

Creative Coding for Teachers (free for qualified teachers)

We invite you to a creative learning journey (offered online) during which you will learn:

- creative coding with Scratch
- how to use Scratch to teach curriculum themes
- how to teach Scratch to others
- competencies required for a fast-changing world

Apply using the link ■ <https://forms.gle/aU8NcpRE8HBWzxFW6>.

Duration ■ 8 weeks

Teachers will have hands-on experience of how Scratch can be taught in schools and in the wider community, and how Scratch coding clubs could be introduced and facilitated in schools.

Weekly sessions ■ Every Saturday for one hour, online, supplemented by support during the week when required. No certificate is issued.

The SLP *Creative Coding and Robotics for Teachers* is an **extension** of *Creative Coding for Teachers*. Thus – you must have been involved in Creative Coding for Teachers to continue with Creative Coding and Robotics for Teachers.

SLP: Creative Coding and Robotics for Teachers

The SLP builds on *Creative Coding for Teachers*. It introduces participants to literature related to teaching coding and robotics, it adds a component of educational robotics, and intensified online guidance is provided to participants.

To earn a certificate for the SLP, participants will have to submit a portfolio in which evidence of learning is documented as per the portfolio requirements.

Duration ■ 6 weeks (in addition to the 8 weeks of *Creative Coding for Teachers*) – thus, total duration: 14 weeks

Total cost for the SLP ■ R5470

Applications are currently open.

Closing date for applications ■

30 January 2023.

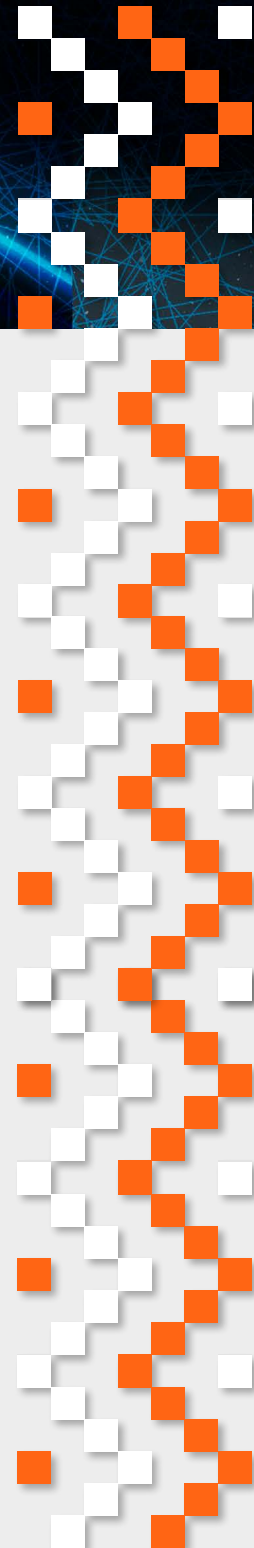
For assistance with applications, join the Telegram Group https://t.me/+vL_PBacM66FLODg0

For more info, contact the project coordinator, **Kiyara**, ujscratch@uj.ac.za

NOTE: A maximum of 200 participants can be accommodated

Project manager ■ Linford Molaodi

Project leader ■ Prof. Sarah Gravett



The Future
Reimagined