

CODING



TANKS



Price	R3000 p/school kit (8 sets, 7 lesson plans, instructional videos, solutions etc.) One set only R150.
Number of learners	40 learners (5 p/set) can participate simultaneously using school kit.
Age	Ideal for Gr 3 – 9
Background	TANKS introduces learners to basic coding concepts by using a game that makes use of tokens, image recognition and a cell phone app that can work offline.
Consider	<ul style="list-style-type: none"> ✓ NO internet access necessary to use app ✓ Need a phone with a camera (at least one per class, on per group ideal) ✓ Easy to store ✓ Educational principles: * groupwork * problem solving * learners not just on their phones * gamification * immediate feedback ✓ TANKS tokens also work on the RANGERS coding app.
Contact	Contact Prof Greyling (Nelson Mandela University) Jean.Greyling@mandela.ac.za 0835544183
Supplier	Prof Jean Greyling
More information	Download App: Google Play or iStore Video Facebook



BOATS



Price	Free to download
Number of learners	1-2 players per app
Background	<p>BOATS use customized tokens as well as toggle commands on the screen. It is ideal for current lockdown situation and schools can arrange their own internal virtual tournament.</p> <p>In addition to coding concepts, it also informs learners about marine pollution and COVID-19 related information</p>
Consider	<ul style="list-style-type: none"> <input type="checkbox"/> Teaches learners about looking after our marine life, as well as COVID-19 health issues <input type="checkbox"/> Ideal for Grade R – 3 coding and robotics curriculum, but also great fun for older learners
Contact	Prof Jean Greyling
Supplier	Jean.Greyling@mandela.ac.za
More information	<p>Download App: Google Play</p> <p>https://www.news24.com/SouthAfrica/Local/PE-Express/primary-schools-in-gaming-challenge-20190415</p> <p>https://news.mandela.ac.za/News/EC-pupils-discover-world-of-coding</p> <p>https://www.heraldlive.co.za/weekend-post/your-weekend/2018-08-12-tanks-app-firing-up-future-programmers/</p>



MESSAGE FROM PROFESSOR JEAN GREYLING



Good morning,

Thanks for tuning into the talk yesterday afternoon. (12/08/2020)

Being my passion, I really enjoyed sharing about this project which I believe has the potential to impact learners' lives.

This video gives a quick 4 minute overview on the project:

<https://youtu.be/ltN1pN70FJ0>

Our Facebook page "[Games powered by Tangibl](#)" is updated regularly with posts.

[This article](#) is on our Mandela Day virtual coding tournament. Feel free to contact me if you are interested in running your own tournament for your school.

Attached is a short profile on what we do. (

Feel free to contact me if you need any further information.

Regards,

Prof Jean Greyling

Associate Professor

Department of Computing Sciences

Nelson Mandela University

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TANKS – Making coding fun

**"Code is like humour.
When you have to explain
it, it's bad."
Cory House**