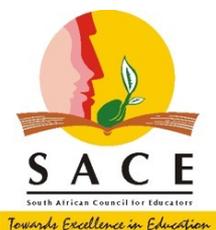




Coding Vision and Implementation SHELANTI PRIVATE SCHOOL

Facilitated by Think Ahead Education
Solutions
May 2019



Introduction

This document was drawn up with the purpose of providing a pathway for the educators and management of Shelanti Private School to follow on their coding journey. Its contents were created by the educators and management of the school, with the process being facilitated by a ThinkAhead Ed Tech Integrator. It contains the Shelanti coding vision, and breaks down the roles and responsibilities of the educators so that there is clarity in terms of what must be done in order to achieve that vision

Shelanti Private School Coding Vision

“Empowering Shelanti learners for the future by optimising their creativity and problem solving skills through computational thinking. The creation of a platform on which collaboration and innovation can be developed with confidence and passion to the benefit of the wider community.”

The Role of Coding in the Foundation Phase

- Integration of coding concepts into lessons using Sphero Robotics
- Linking of coding terminology to current lessons and lesson plans
- Introduction of computational thinking through unplugged activities and problem solving using the four Cs of coding

The Role of Coding in the Intermediate Phase

- Integration of coding concepts into lessons using Sphero robotics
- Introduction of Project Based Learning by using coding and robotics to solve real world problems by combining different learning areas
- Project Based Learning groups picked purposefully to allow for different skill sets and personalities within groups
- Collaboration across grades
- The incorporation of coding concepts into the current syllabus/lessons
- Setting of team goals to move through the Everyone Can Code syllabus

The Roles of Coding/Robotics Staff

- Introduction of coding concepts through introductory and unplugged activities
- Communication with staff of which coding concepts will be covered within a week, allowing staff to assist within their lessons
- Familiarisation of each learner with coding apps
- Continual research for new ideas and ways to integrate coding and robotics
- The extension of talented/passionate learners in lessons and through enrichment programmes
- Entry into competitions when ready
- Introduction to App development when ready
- Organisation of outings to show practicalities of how coding influences peoples' lives
- Use of coding to market the school

Think Ahead contact:

Steve Nock (Edtech Integrator)

steven.nock@thinkahead.co.za