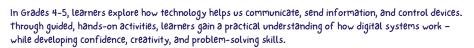
GRADE 4=5 CURRICU



Shaping Bright Futures: An Overview of Our Innovative Curriculum



Radio Communication & Data Transmission

Learners discover how messages can be sent wirelessly using radio signals. Through simple experiments and demonstrations, learners learn that information can travel from one device to another without cables, helping them understand modern communication in a real-world context.

Receiver Devices

Learners learn how receiver devices accept and interpret information. This builds understanding of listening, responding, and following instructions - both in technology and everyday life.

Transmitter Devices

Learners explore how transmitter devices send information. Activities help learners understand how messages are created and shared, reinforcing clear communication and logical thinking.

Transceiver Devices

By working with devices that both send and receive information, learners develop a deeper understanding of two-way communication and teamwork.

The Micro:bit Radio Library

using the Micro:bit, learners are introduced to basic coding tools that allow devices to communicate with one another. This supports early programming skills, sequencing, and cause-and-effect thinking in a safe, ageappropriate environment.

Morse Code

Learners explore Morse code as an early form of digital communication. This strengthens pattern recognition, sequencing, and problem-solving, while linking history with modern technology.

A Engineering & Coding in Action

🛠 Building a Micro:bit Car

www.roboticrockstars.co.za

Learners apply their knowledge by building a simple Micro:bit-controlled car. This hands-on project encourages creativity, perseverance, teamwork, and practical problem-solving.

🎜 Coding Sound on the Micro:bit

Learners learn how to code the Micro:bit to produce sounds. This supports understanding of commands, sequencing, and logical instructions, while making learning interactive and fun.

Coding Movement of the Micro:bit Car

Learners code the car's movements by giving clear, step-by-step instructions. They test, adjust, and improve their code, developing confidence, critical thinking, and resilience.

Contact us for a detailed guide or to schedule a visit. Join us in nurturing the next generation of leaders, thinkers, and innovators.











