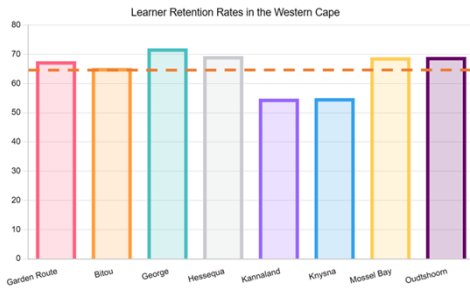
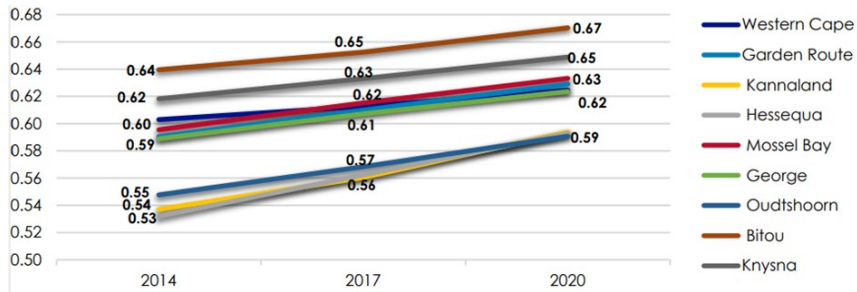


Provision of education in Knysna is highly unequal, and generally of poor quality.



- > Knysna's learner retention rates are the second worst in the region, at 55% (left).
- > Learner enrolment of 0-14 year olds in Knysna is below the 1.1% average for the Western Cape, at 0.9%.
- > Knysna has the fourth lowest proportion of no-fee schools in the region.
- > Learner retention fell from 59.2% in 2018 to 55% in 2020.

Knysna is the second most unequal area of the Garden Route, with a Gini coefficient score of 0.65. Poverty is rife in Knysna's informal settlements.



My outputs... A summary of my curriculum proposal (below), and a Teacher's Guide (right), to make it as easy as possible for teachers to integrate GGM into their existing preschool programmes.

GROWING GREEN MIND CURRICULUM FORMAT

OBJECTIVE	LESSON TITLE	LEARNING AIMS
Objective 1: Green Mindset	Lesson 1: Belonging	Pupils will create a sense of "my" world and where "I" fit in.
	Lesson 2: Kindness	Pupils will be able to understand and identify what "kindness" is.
Objective 2: Nature Walk	Lesson 3: Earth Awareness	Pupils will understand what the Earth is and where it fits into the universe.
	Nature walk	Pupils will complete a nature walk to identify and discuss the plants and animals around them.
Objective 3: Tree Planting	Lesson 4: Trees	Pupils will understand and explain the different parts of a tree.
	Tree planting	Pupils will plant a tree, helping them to understand their importance.
Objective 4: Water Warriors	Lesson 5: Water	Pupils will understand the importance of water, and be able to explain the water cycle.
	Lesson 6: Keeping Water Clean	Pupils will understand how water can be kept clean.
Objective 5: Reduce and Recycle	Lesson 7: Reduce	Pupils will understand how to reduce their amount of waste.
	Lesson 8: Recycling	Pupils will understand what recycling is.



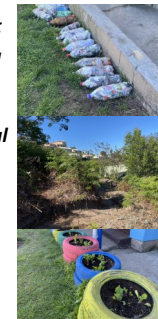
ABOUT KNYSNA. Knysna is 76,000-strong town in the Western Cape province of South Africa. 43% of the population is Black African; 37% are coloured; 0.5% are Indian/Asian; and 18% are white. Afrikaans is spoken by 46% of the population as a first language, whilst 34% speak Xhosa, and 15% speak English.



The attitude is "if the people didn't litter, the cleaners wouldn't have a job".

Julie Hoffmann, Preschool Principal

Across Knysna's township, waste is disposed of in open landfills and drainage ditches. South African National Parks employ local residents to pick litter off the streets, but many stand by the road indolently, as they are not paid for productivity.



However, initial steps are being taken towards greater environmental kindness across local schools:

> Eco bricks (top picture) are made by stuffing large plastic bottles with pieces of rubbish, and can be used to build greenhouses or vegetable patches.

> Nature trails (middle picture) and tire plant pots (bottom) can also be made from recycled material.



Working in collaboration with...

NATURE WALK

OBJECTIVE 2

- OBJECTIVE CHECKLIST:**
- Lesson 3: 'Earth Awareness' completed
 - 'Nature walk' completed
 - Number of pupils taking part
 - Evidence submitted to RET

LEARNING OUTCOMES

- Pupils will understand what the Earth is and where it fits into the universe.
- Pupils will be able to identify and discuss the plants and animals around them.

ESTIMATED TIME TO COMPLETE OBJECTIVE:
One classroom lesson, plus 30-minute nature walk.

- AREAS OF DEVELOPMENT FOR PUPILS:**
- Gross motor development
 - Fine motor development
 - Speech and language development (identifying and describing things on the nature walk)
 - Sensory development (touching and feeling different objects in the environment)
 - Cognitive (recalling information when doing the free drawing of the nature walk)

SUBJECT LINKS
Spoken Language, Science

CURRICULUM LINKS

Wellbeing	Identity & Belonging	Communication	Exploring Mathematics	Creativity	Knowledge & Understanding of the World
1. Well-nourished 2. Good Health 3. Safe & Secure 4. Resilience 5. Physical Development	1. Capable & Confident Learners 2. Sense of Self 3. Relationships 4. Group Identity & Differences	1. Auditory Development 2. Verbal Communication 3. Visual Recognition 4. Expression through various mediums	1. Numbers and Counting 2. Sort, Classify, Compare, and Solve Problems 3. Shape, Space, and Measurement	1. Problem Solving 2. Play Make Believe 3. Visual Art 4. Music, Dance & Drama	1. Explore & Investigate 2. Design, Create & Use Technology

Objective checklist makes progress towards GGM accreditation easy to track. The simpler a programme is to deliver for teachers, the more likely they will be incentivised to see it through to a high standard.

Lessons are designed to fit into pre-school schedules, lasting no more than 30 minutes.

GGM supports key areas of physical and cognitive Early Child Development, preparing pupils for entry into Grade R.

Subject and national curriculum links are clearly outlined, legitimising GGM as a quality and comprehensive education programme. By showing the key learning areas which GGM hits, teachers can also adapt lessons to suit their existing timetables.

Next steps for my curriculum:

> Develop a way for teachers to submit evidence that each GGM objective has been completed.

> Train teachers to deliver the programme, in partnership with KET.

> Use a Monitoring and Evaluation plan to ensure the sustainability and effective delivery of GGM.

> Maintain communication with South African-based stakeholders in preparation for my Summer 2024 visit.