

Teaching

Harmony


**"Inspiring Nature-Based
Learning within the South
African
Education Spectrum"**



Enhanced Education Practices

"It's not about
changing the
curriculum, it's about
changing the
approach"

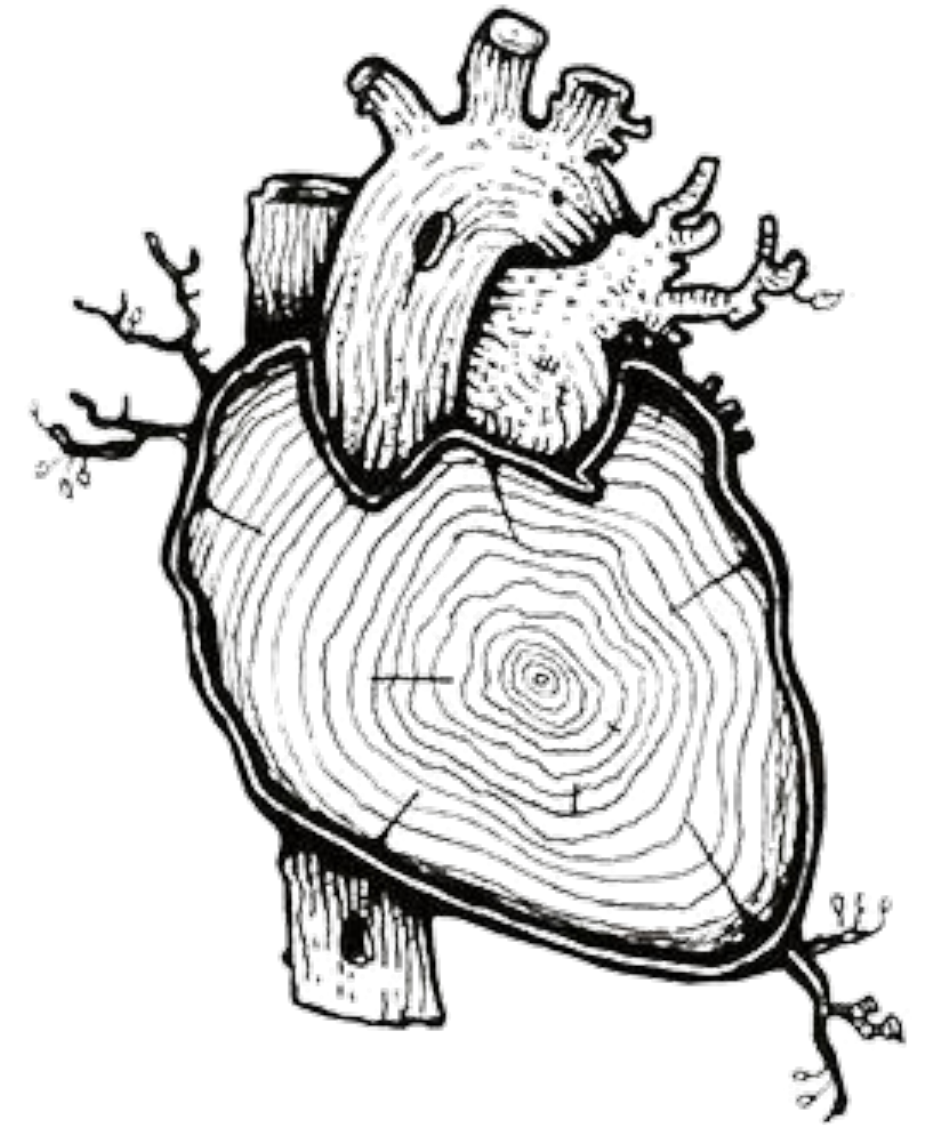




CAPS Curriculum & Harmony Methodology

What is Project-Based Learning?

- ✓ Value Based Education
- ✓ Learning Questions
- ✓ Enquiries of Learning
- ✓ Nature's Cycles
- ✓ Experiential Learning
- ✓ Sketching





CAPS Curriculum & Harmony Methodology

What is Project Based learning?

- ✓ Geometry
- ✓ Take One Principle
Adaptation Health Diversity Cycles Interdependence Oneness
Community Projects
- ✓ Great Works
- ✓ Sustainability Projects
- ✓ **School food**



What do we
learn from
Nature?

Appreciation
Co-operation
Thoughtfulness **Honesty** *HOPE*
Quality *Simplicity* Friendship
Belonging Love
Responsibility **PEACE**  *Freedom*
Fairness
Understanding
RESPECT **UNITY** *Courage*
Confidence **TRUST**
Happiness



How do we adapt to CAPS?

Half-termly planning overview Year 2 - Autumn Term 1

Enquiry question: What do I need to be healthy?

Harmony principle: The principle of Health

Great Work: Preparing and sharing a healthy, seasonal meal

Partners in learning: Local PYO farm or allotments, yoga instructor

Sustainability theme: Sourcing local, seasonal food

Term	Term 3 Winter 2021	Term 4 Spring 2021
Overview	<i>What will homes look like in the future?</i>	<i>Why are solitary bees so special?</i>
Principles	adaptation	interdependence
Geometry study	concentric circles / triangles	the vesica / hexagon
Sustainability theme	composting/ soil health/ building sustainability	planting bee friendly gardens
local connection	traditional homes, local soil / clay collection	planting endemic flowers for bees
Great work (funding)	building projects	planting food & flower gardens
Life skills topics	Space, how people lived long ago, pollution, soil	animals and creatures that help us, insects, plants, rights and responsibilities

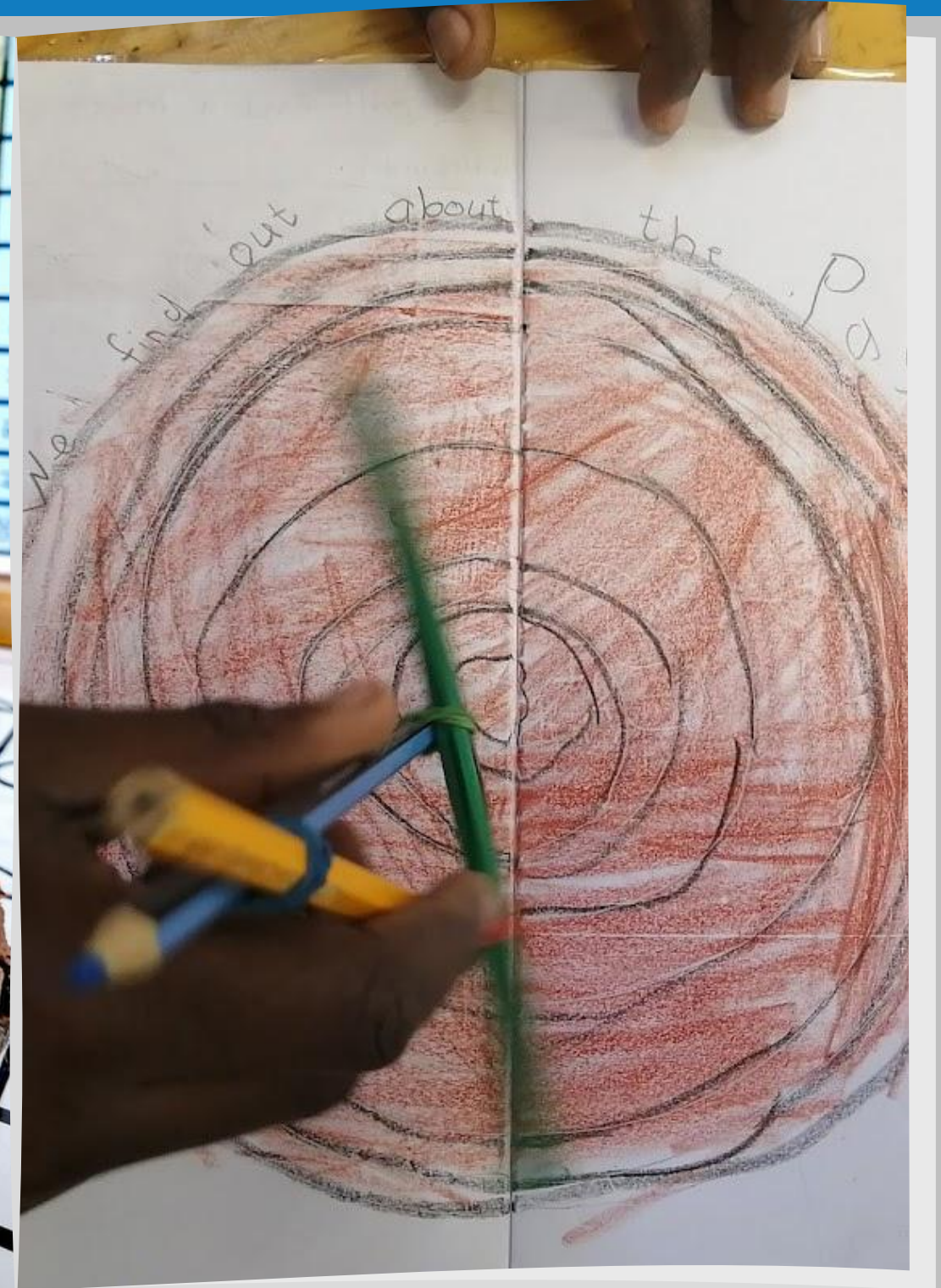


**PILOT
PROGRAM
2021 - 2022**



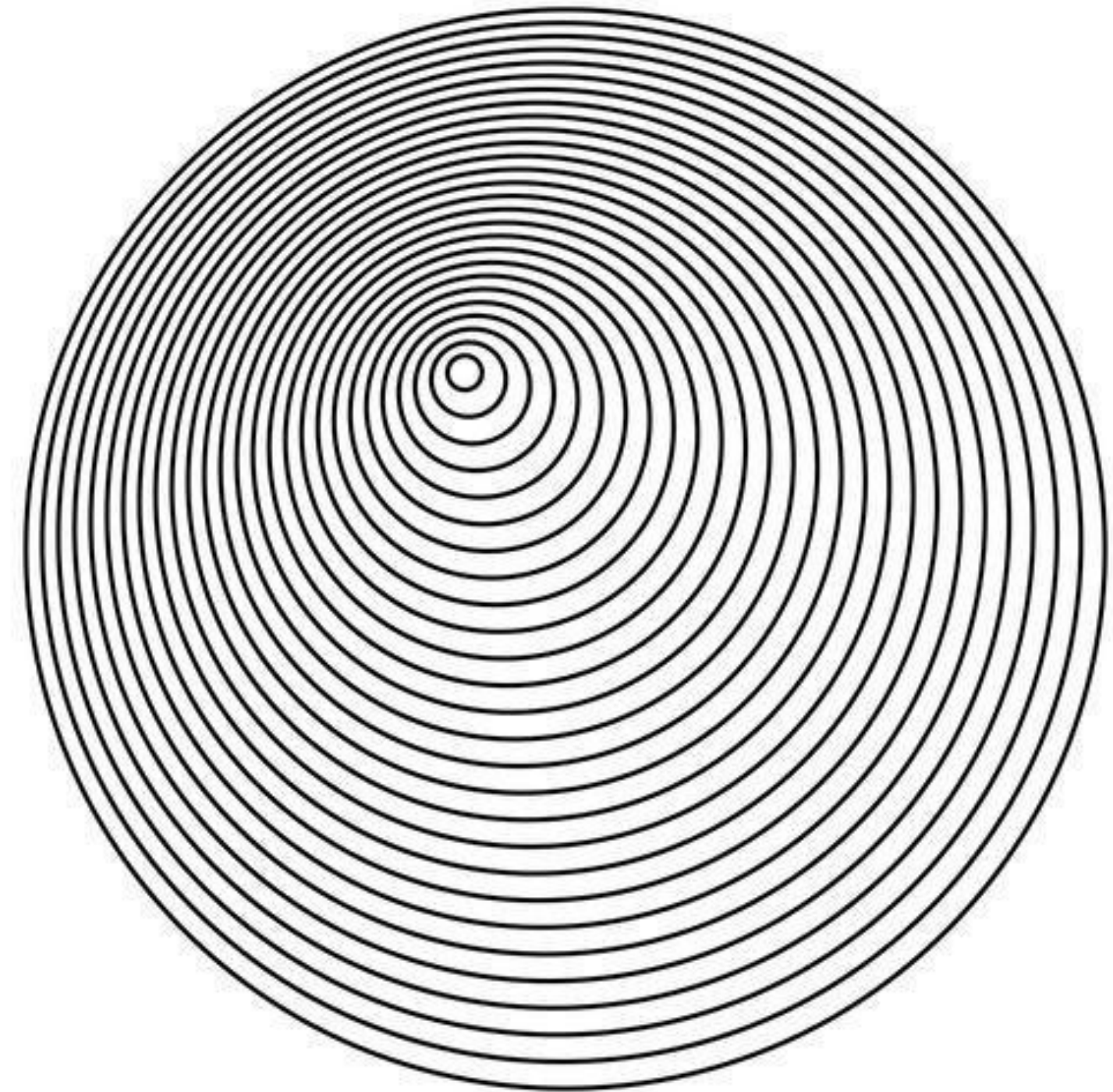
Grade 3: Term 3
2021 (Winter)

Life Skills Topic:
**How did people live
long ago?**



Maths Focus:

How can we use
concentric circles to build
a 3D cone?



TOPICS	TERM 1	TERM 2	TERM 3	TERM 4
3.2 3-D objects		<p>Range of objects</p> <p>Recognise and name 3-D objects in the classroom and in pictures</p> <ul style="list-style-type: none"> • ball shapes, (spheres) • box shapes (prisms) • cylinders <p>Features of objects</p> <p>Describe, sort and compare 3-D objects in terms of:</p> <ul style="list-style-type: none"> • 2-D shapes that make up the faces of 3-D objects • flat or curved surfaces <p>Focused activities</p> <p>Observe and build given 3-D objects using concrete materials such as cut-out 2-D shapes, clay, toothpicks, straws, other 3-D geometric objects</p> <p>Suggested focus and sequencing of activities for Term 2</p> <p>Work with spheres, prisms and cylinders as they did in Grade 2; name them and group them.</p> <p>Focus on the kind of surfaces on each type of object. Distinguish surfaces according to whether they are curved or flat.</p> <p>Use cut-out cardboard squares to make a box. Talk about the flat surfaces on prisms and cylinders and describe them according to whether they are circular, square or rectangular.</p> <p>Work is consolidated through written exercises.</p>	<p>Range of objects</p> <p>Recognise and name 3-D objects in the classroom and in pictures</p> <ul style="list-style-type: none"> • ball shapes (spheres) • box shapes (prisms) • cylinders • pyramids • cones <p>Features of objects</p> <p>Describe, sort and compare 3-D objects in terms of:</p> <ul style="list-style-type: none"> • 2-D shapes that make up the faces of 3-D objects • flat or curved surfaces <p>Focused activities</p> <p>Observe and build given 3-D objects using concrete materials such as cut-out 2-D shapes, clay, toothpicks, straws, other 3-D geometric objects</p> <p>Suggested focus and sequencing of activities for Term 3</p> <p>Work with spheres, prisms, cylinders, pyramids and cones. Focus on the kind of surfaces on each type of object.</p> <p>Distinguish surfaces according to whether they are curved or flat. Talk about the flat surfaces on prisms and cylinders and describe them according to whether they are circular, square, rectangular or triangular</p> <p>Name and group the geometric objects above.</p> <p>Use toothpicks, straws, or rolled paper to make a pyramid.</p> <p>Work is consolidated through written exercises.</p>	<p>Range of objects</p> <p>Recognise and name 3-D objects in the classroom and in pictures</p> <ul style="list-style-type: none"> • ball shapes (spheres) • box shapes (prisms) • cylinders • pyramids • cones <p>Features of objects</p> <p>Describe, sort and compare 3-D objects in terms of:</p> <ul style="list-style-type: none"> • 2-D shapes that make up the faces of 3-D objects • flat or curved surfaces <p>Suggested focus and sequencing of activities for Term 4</p> <p>Work is consolidated through written exercises.</p>



Local

Connections:

Nelsons Bay Cave

Robberg Peninsula





Why are solitary bees

so special?

Grade 3: Term 4
2021 Spring





How do bees help
us?

A They give us food

Diversity

lots of differ



15 October
what flowers do bees like?

① Thyme ✓



keep
you
calm.

sun Thyme

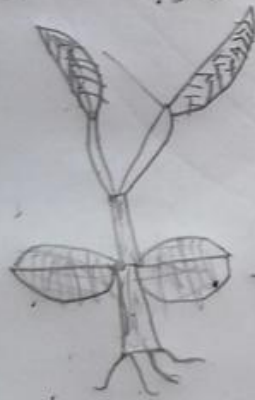
② Fennel



is tasty for
our tummy.

FenTh | Borcal

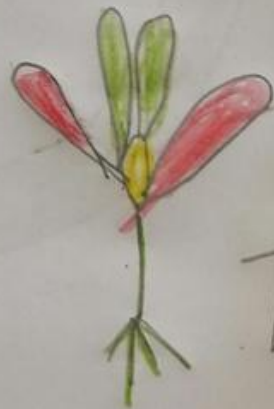
③ Borage ✓



makes your
brain happy.

Bae

④ Calendula



cleans
our
cuts.

Clida ✓



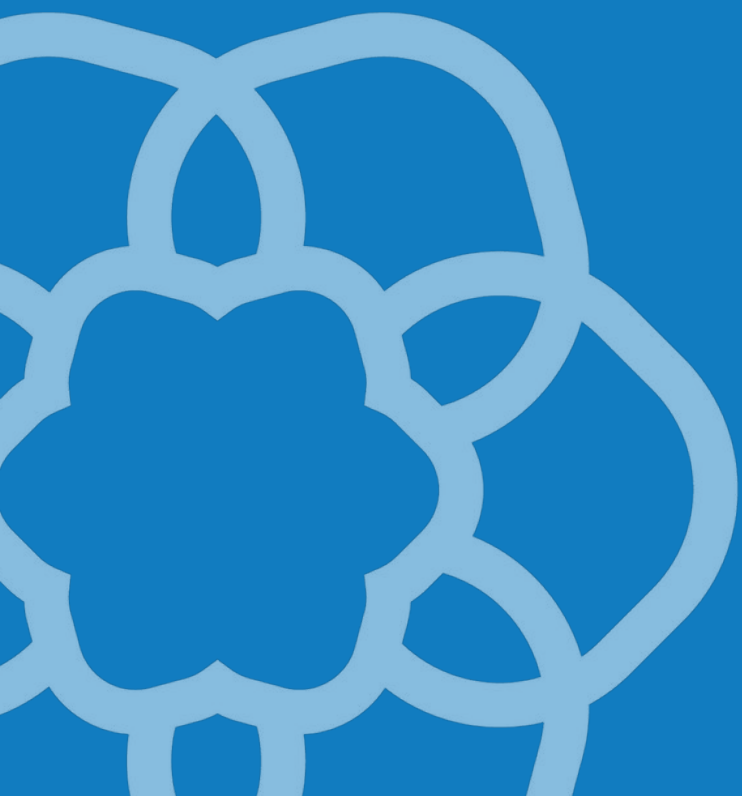


Air Bee n Bee



NOW
OPEN

Celebrating Spring Day: Planting a Class Tree





2022

Grade 4

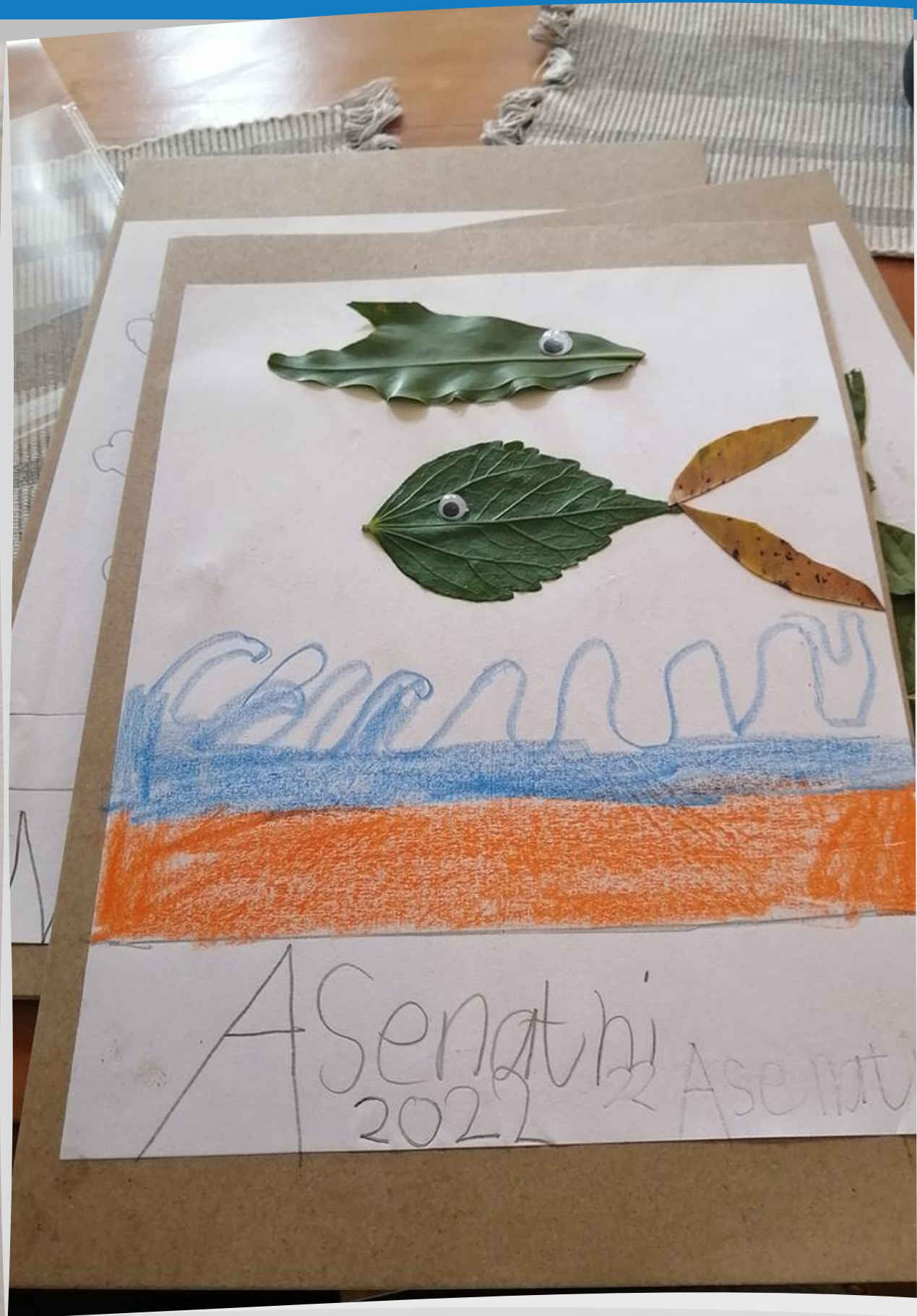
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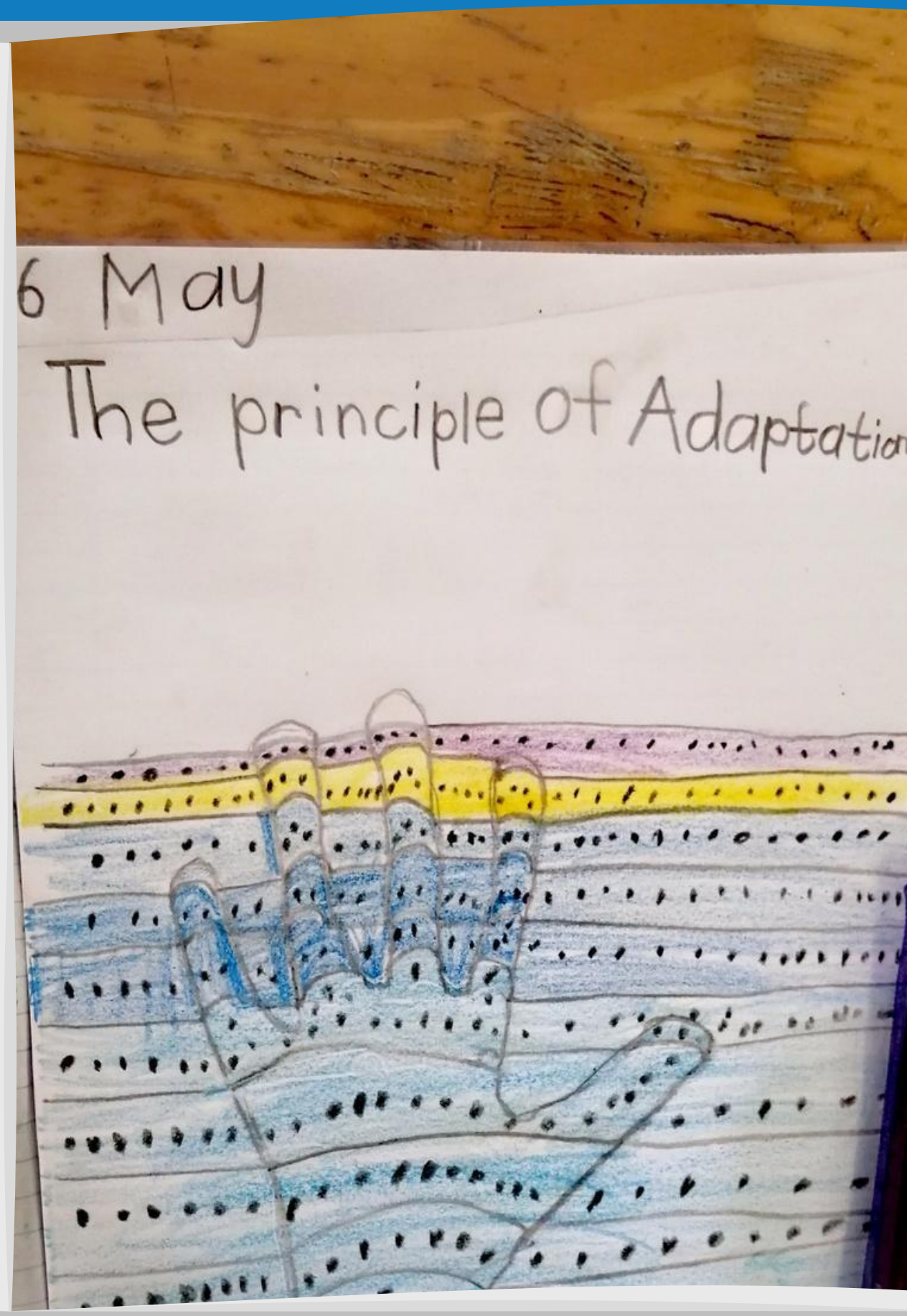
Grade 2

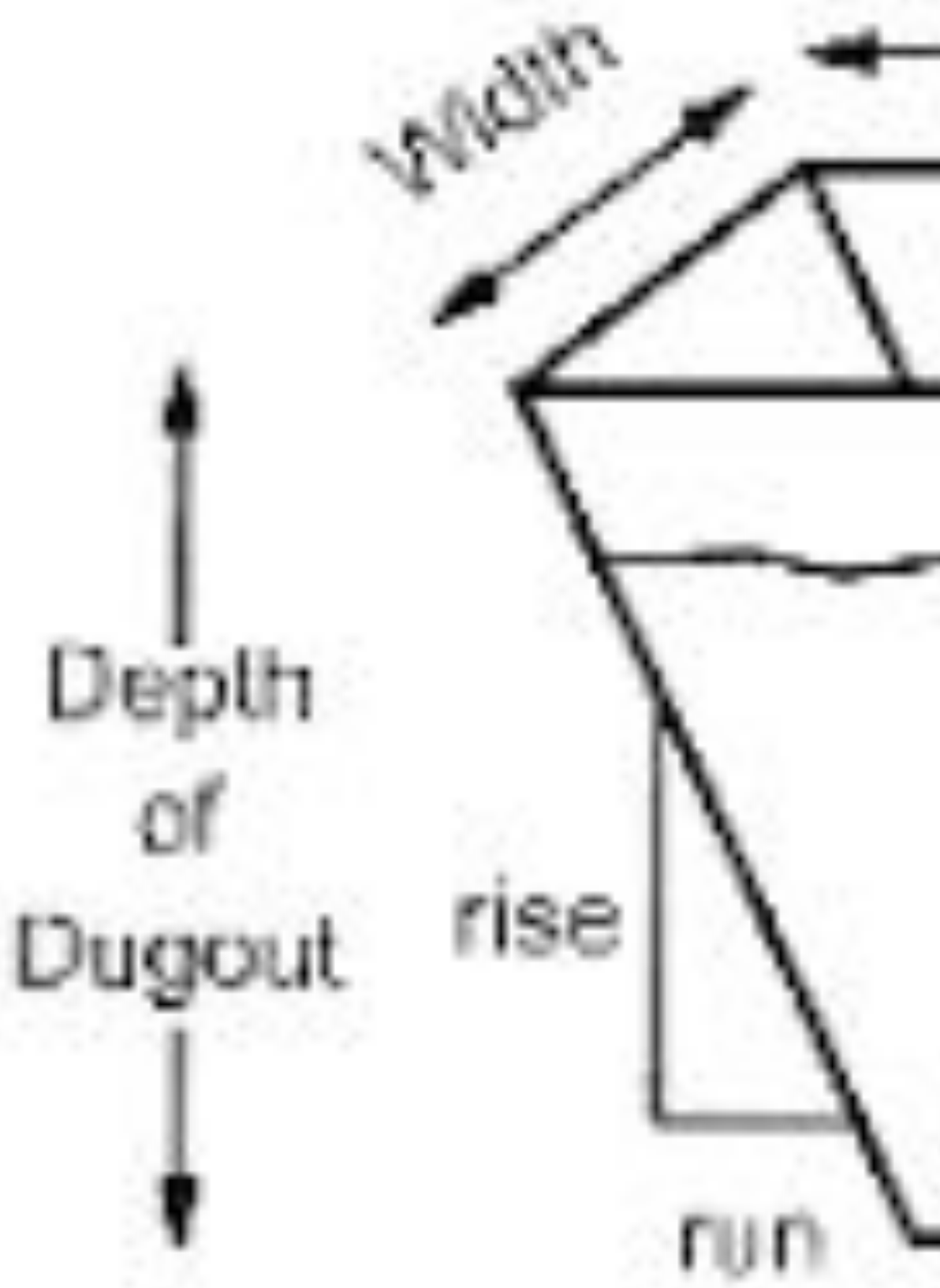
Where do animals live?

Grade 2: Term 2 Autumn









What journey does a river take?

Grade 4: Term 2



CAPS Natural Sciences and Technology Assessment Guidelines

distinguish between solids, liquids and gases

explain how selected materials may change their state

explain the water cycle in terms of change of state of water

**give examples of raw materials used to make
manufactured materials**



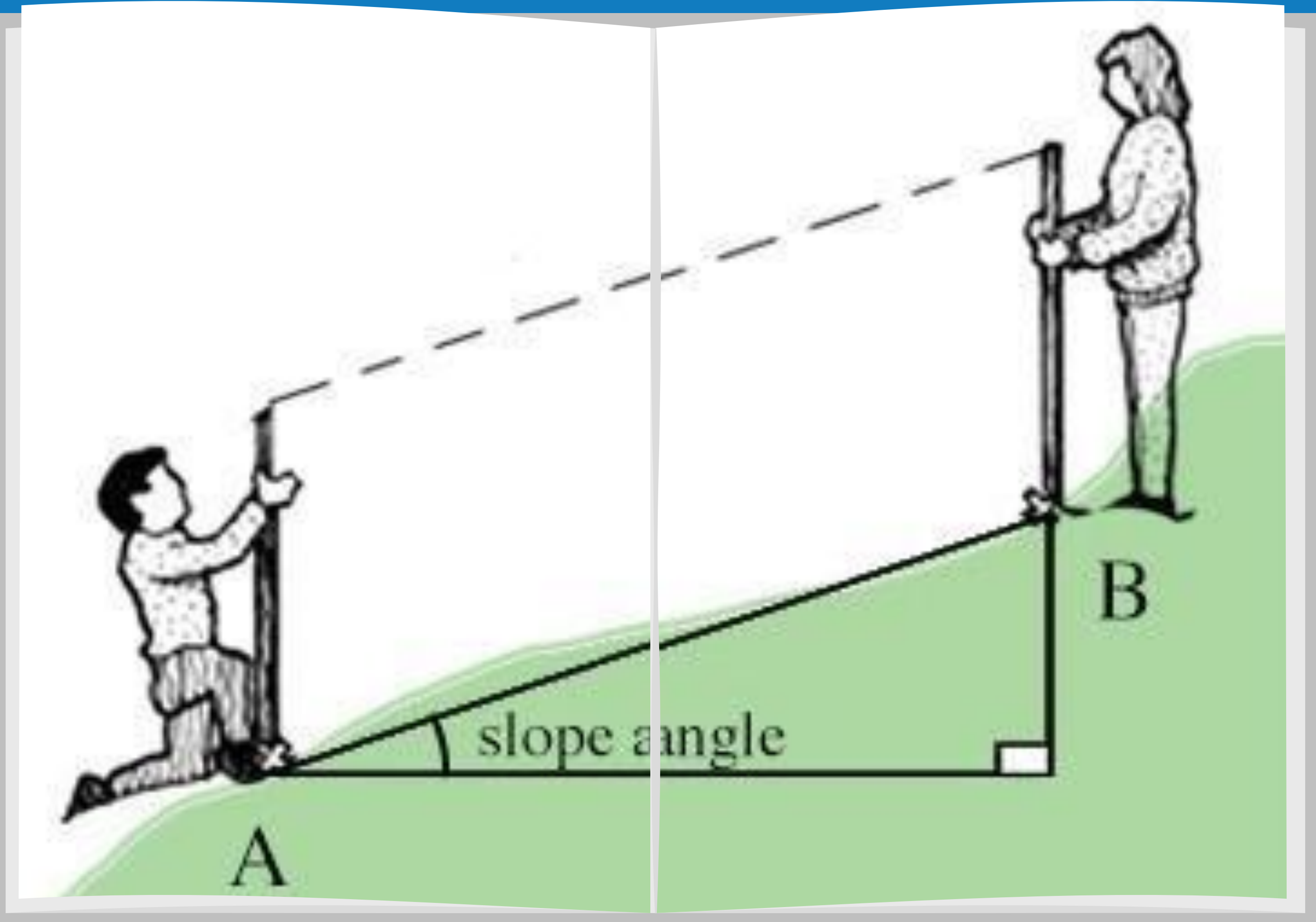


The principle of the cycle











Harmony

Week:

Trip to Poortjies

Lagoon



What animals live in the lagoon?

End of Grade 2

Overview

Sustainability Theme: The Hermit Crab

Housing Crisis





Where do rivers end?

End of Grade 4

Overview

Sustainability Theme: Keeping
rivers clean



Partners in Learning

Forging community connections



Impact:

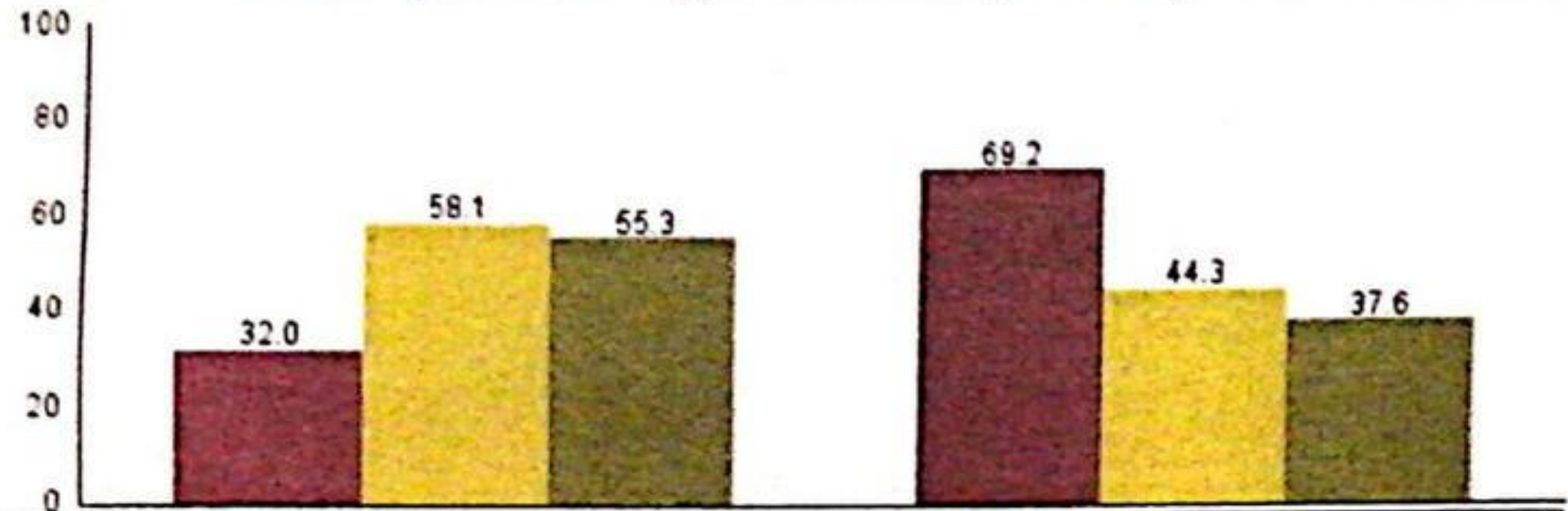
Grade 3

Maths Results

from 2019 - 2021

SCHOOL AND PROVINCIAL RESULTS

Pass percentage across years (Mathematics)



	2019	2021
School	32.0	69.2
Province	58.1	44.3
Quinfile: NQ2	55.3	37.6

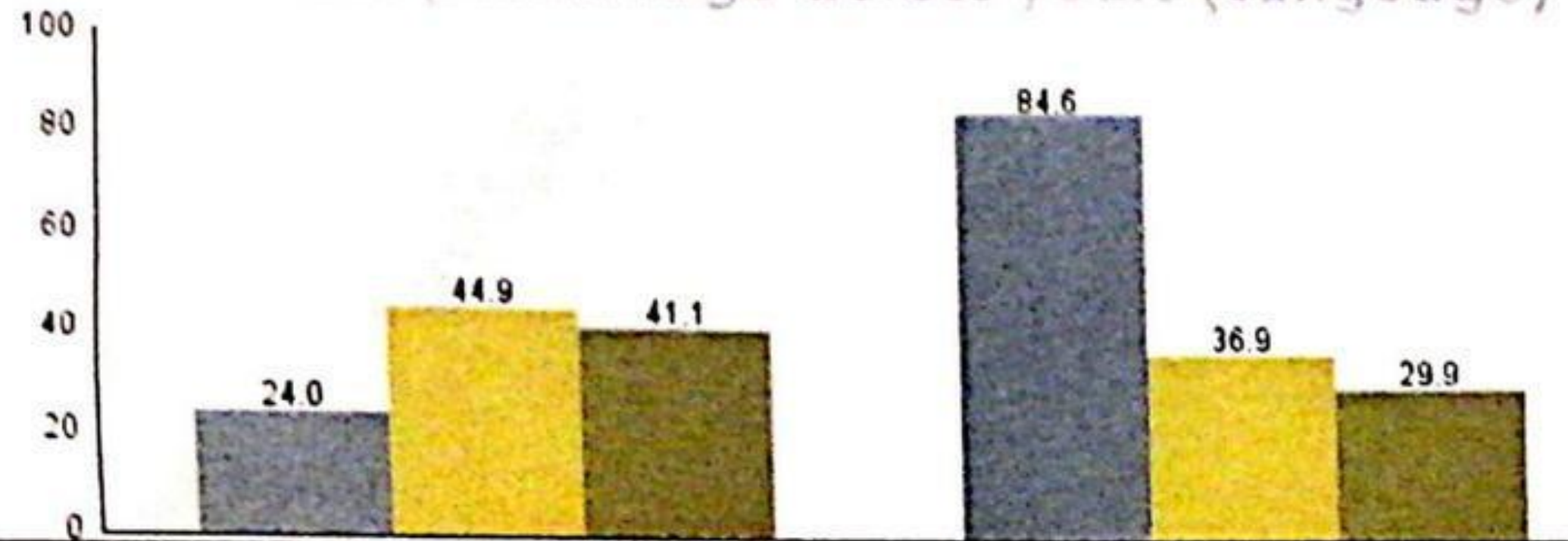
Impact:

Grade 3

English Results
from 2019 - 2021

SCHOOL AND PROVINCIAL RESULTS

Pass percentage across years (Language)



	2019	2021
School	24.0	84.6
Province	44.9	36.9
Quinfile: NQ2	41.1	29.9

Impact:

Let's hear from our Teachers...



Academics plus...

"Appreciation for life and living things"

Triggers curiosity and a whole new motivation to learn"

Sense of responsibility - they are empowered to make a difference and have the knowledge and support to do it through Harmony

"A new world has opened for the learners. They can now see the connection between the content of the subjects and real life."



Impact:

Celebrating Milestones

First

school-wide Harmony Event:
End-of-year School Concert

Themed around

The Journey of Water

November 2022



Impact:



Celebrating Milestones First Harmony Teacher Training Workshop at

the



**Kwendalo™
Institute**

July 2022

Goals

Bahia

Formosa

Primary

2023

1

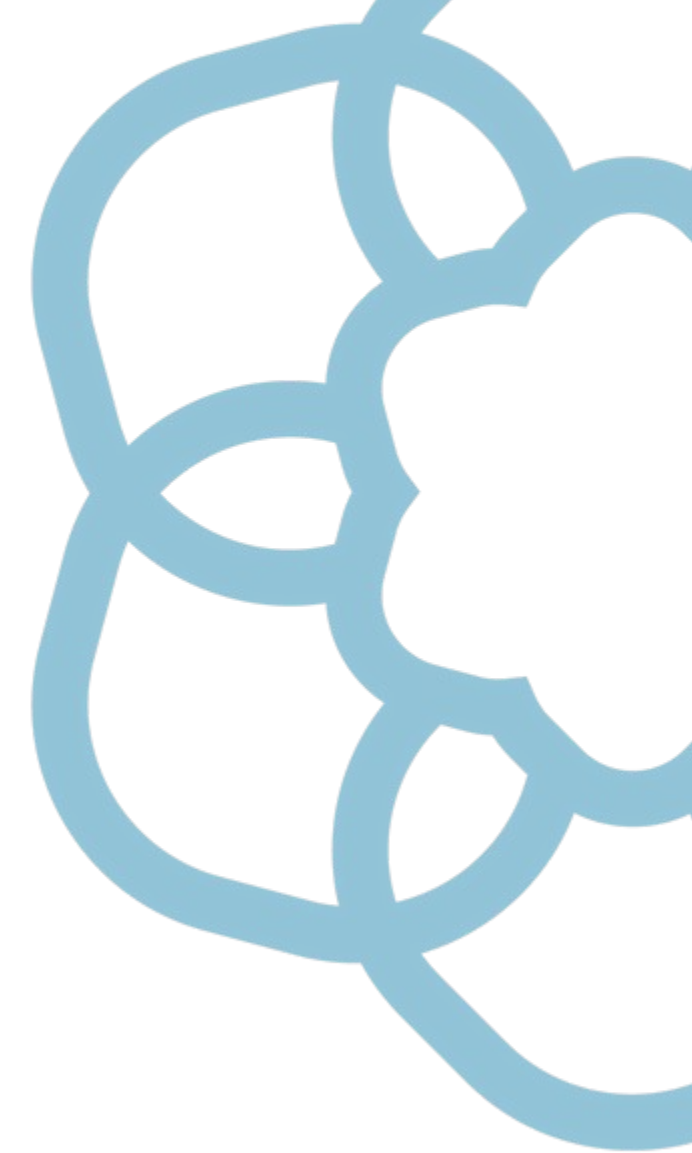
**Becoming a Harmony
Accredited school**

2

**Develop living
learning spaces**

3

Student leadership opportunities



'A holistic education for all'

Goals

Kwendalo Institute



1

**Develop Local Harmony
Overviews for Foundation Phase
and Beyond**

2

**Harmony Teacher Training
at the Kwendalo Institute**

3

**Point of Entry South African
Harmony School Accreditation**



Challenges

1 Funding

2 Diversity

3 Support

& Opportunities

New Partnerships

Place based learning

CAPS Intergration





Join our Education Ecosystem



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<https://kwendalo.com/>

Thank You

"Let Nature be
our Teacher"

