



Kindy Uplift

RESTA Reptile Education & Safety Awareness Training Kindergarten Uplift Priority Area Adherence

RESTA has been providing reptile education and safety training in Australia for more than 15 years and is considered Queensland’s premier reptile entertainment and education service.

Our reptile safety presentations have been saving lives and delighting people of all ages for over 15 years; we are one of the longest-running snake shows in Queensland!

RESTA offers a range of educational programs tailored for kindergarten age and beyond, designed to complement existing curricula and bolster learning outcomes. These programs serve as valuable tools for educators to enhance their teaching strategies and delve deeper into subjects already covered. By utilising RESTA's resources, educators can pinpoint children's interests and leverage them to foster a love for learning.

Moreover, by consistently engaging with RESTA's programs, educators can cultivate trust and confidence in their teaching methods, as children become accustomed to familiar faces in their learning environment. The hands-on components of RESTA's workshops actively encourage exploration and facilitate experiential learning, aligning with the Queensland Kindergarten Learning Guidelines (QKLG) and the Early Years Learning Framework (ELF) outcomes.

RESTA's programs extend beyond traditional subject areas, encompassing STEM disciplines and other curriculum domains. By integrating these workshops into their teaching practices, educators can effectively address learning and development objectives outlined in both ACARA and QCAA frameworks. Additionally, RESTA offers tailored mapping for specific year levels, ensuring seamless integration with syllabus requirements.

Furthermore, RESTA plays a pivotal role in enhancing educator capability and fostering the acquisition of essential knowledge for teaching biology and scientific concepts including executive functioning and enhancing children’s language & communication skills. Through comprehensive training and support, educators can expand their proficiency in delivering engaging and informative lessons, thereby enriching the learning experience for children.

As RESTA travels to various locations throughout the year, educators can take advantage of its accessibility and flexible packages to enhance their professional development and enrich classroom experiences.

The following pages and tables identify how the four programs offered by RESTA adhere to the priority areas of the Kindergarten Uplift program and meet the Queensland Kindergarten Learning Guidelines.

Programs:

Up Close & Personal – Reptile Safety.....	2
Bush 2 Beach.....	6
Investigate Experiments.....	12
Under the Microscope.....	18



Kindy Uplift

Up Close & Personal - Reptile Safety

RESTA's Reptile Safety workshops provide an engaging opportunity for both students and staff to interact closely with various non-venomous snakes, pythons, lizards, and crocodiles. These interactive sessions are not only educational but also foster a sense of safety and awareness among participants.

Throughout the workshop, students receive age-appropriate safety guidance and species information, equipping them with essential knowledge about reptiles' characteristics, life cycles, habitats, and survival strategies. Crucially, participants also learn how to differentiate between venomous and non-venomous reptiles and understand appropriate responses when encountering them in the wild.

In addition to these valuable learning outcomes, RESTA's Reptile Safety workshops serve as a platform for educators to enhance their understanding of indigenous reptiles in Australia and their significance in indigenous cultures. By exploring connections between indigenous knowledge and reptile species, such as the olive python's association with the Rainbow Serpent and the culinary use of lace monitors and goannas as bush tucker, educators gain deeper insights into indigenous perspectives and traditions.

Aligned with the capability areas of kindergarten children, including culturally safe and inclusive programs, embedding Aboriginal and Torres Strait Islander perspectives, and promoting equity and access for all, RESTA's workshops facilitate social and emotional learning, physical engagement, executive function development, and the enhancement of oral language, literacy, mathematics, and numeracy skills.

Through participation in these workshops, educators not only enrich their own knowledge but also acquire valuable tools and resources to create culturally responsive and inclusive learning environments for their students. By integrating indigenous perspectives into their teaching practices, educators contribute to fostering a deeper appreciation and understanding of Australia's rich cultural heritage among young learners.

<u>Priority Area</u>	<u>How this is met</u>	<u>QKLG Outcomes Achieved</u>
<p><i>Culturally safe, inclusive, and responsive kindergarten programs</i></p> <p><i>Embedding Aboriginal and Torres Strait Islander perspectives</i></p> <p><i>Equity and Access for all</i></p>	<ul style="list-style-type: none"> • Embedding Aboriginal Dreamtime stories • Discussion of the importance of native species to country • Discussion of how native animals are bushtucker • Continuity of familiar people entering the kindergarten (when embedded yearly &/or package enrolled in) • All children are included if of kindergarten age <p>RESTA's programs also aim to promote cultural understanding and embed Aboriginal Dreamtime stories into their presentations. Additionally, there are discussions around the importance of native species to country and how native animals can be used as bushtucker. By engaging with RESTA's programs, children and</p>	<p>1. Identity 2. Connectedness</p>

Kindy Uplift

<u>Priority Area</u>	<u>How this is met</u>	<u>QKLG Outcomes Achieved</u>
	<p>educators develop an appreciation for Indigenous culture and learn about the interconnectedness of different aspects of the natural world. The continuity of having familiar people enter the kindergarten environment, whether through yearly embedding or package enrolment, can help children feel more comfortable and connected to their learning environment. RESTA's programs are inclusive and available to all children of kindergarten age, ensuring that all children have the opportunity to develop their understanding of the natural world and Indigenous culture.</p>	
<p><i>Social and emotional learning</i></p>	<ul style="list-style-type: none"> • Children develop resilience in times of challenge • Children learn to regulate their emotions with support from educators when in uncertain and challenging situations. Such as approaching and patting reptiles. • Children form connections with a community organisation • Children become aware of how their emotions can be triggered during an event • Children learn to adhere to expectations in a challenging social situation • Children become aware of how they may feel with unfamiliar people, how to read if the situation is safe and become confident in the interaction that occurs. <p>Through RESTA's programs, children develop resilience and learn to regulate their emotions when faced with uncertain and challenging situations, such as approaching and patting reptiles. With the support of their educators, children learn how to manage their emotions effectively and build their</p>	<p>1. Identity 3. Wellbeing</p>



Kindy Uplift

<u>Priority Area</u>	<u>How this is met</u>	<u>QKLG Outcomes Achieved</u>
	<p>confidence as they interact with these animals and explore their environment. In addition to this, children form connections with community organisations, which can help foster a sense of belonging and community involvement. During these events, children become aware of how their emotions can be triggered and learn to adhere to expectations in challenging social situations. They also learn how to read unfamiliar situations and feel confident in interacting with new people. Overall, RESTA's programs help children develop essential skills that enable them to navigate challenging situations with confidence and composure.</p>	
<i>Physicality</i>	n/a	
<i>Executive Functioning</i>	<ul style="list-style-type: none"> • Children learn to pose questions • Children link to prior experiences • Children expand their knowledge about reptiles and how to keep safe • Children recall their learning and use the information taught when opportunity arises in their community • Children share their learning with parents/caregivers and the local kindergarten community <p>RESTA's programs offer children and educators a platform to pose questions, link their prior experiences with their learning, and expand their knowledge about reptiles and how to keep safe. Through these programs, children and educators learn about the characteristics of different reptiles, their habitats, and how to interact with them safely. This knowledge allows children to recall their learning and use it when the opportunity arises in their community, such</p>	<ol style="list-style-type: none"> 1. Identity 2. Connectedness 4. Active Learning 5. Communicating

Kindy Uplift

<u>Priority Area</u>	<u>How this is met</u>	<u>QKLG Outcomes Achieved</u>
	<p>as when encountering reptiles in their natural habitats. In addition, children are encouraged to share their learning with their parents, caregivers, and the local kindergarten community, helping to increase awareness about reptile safety and education.</p>	
<p><i>Oral Language & Literacy</i></p>	<ul style="list-style-type: none"> • Children and educators enhance and expand their vocabulary around reptiles, reptile safety, Aboriginal and Torres Strait Islander culture • Children challenge their listening and responding skills • Children and educators pose questions and answer them • Children share their thoughts and ideas with others <p>RESTA's programs aim to enhance and expand children's and educator's vocabulary around reptiles, reptile safety, Aboriginal and Torres Strait Islander culture. Through these workshops, children and educators engage in conversations, challenge their listening and responding skills, and pose questions and answer them. This interactive approach helps children develop their communication skills and expand their vocabulary around these topics. Moreover, children are encouraged to share their thoughts and ideas with others, building their confidence and self-expression skills. By engaging with RESTA's programs, children and educators can develop a deeper understanding of these subjects and enhance their knowledge and skills in communicating about them.</p>	<p>4. Active Learning 5. Communicating</p>
<p><i>Mathematics & Numeracy</i></p>	<p>n/a</p>	



Kindy Uplift

Bush to Beach

RESTA's Bush 2 Beach workshop offers a dynamic exploration of ecology and the environment, fostering students' understanding of biodiversity and the unique interplay between plants, animals, and their habitats. Through interactive activities, participants gain insights into the diverse ecosystems present in different environments and the importance of preserving native species.

This engaging workshop provides opportunities for hands-on learning, with students actively sorting items according to various environments, stimulating deductive reasoning skills, challenging executive functioning and building on children's language and communication. Additionally, the inclusion of live animals enhances understanding and appreciation of the natural world.

Educator involvement is crucial, tailored to the age and abilities of the students, to ensure optimal learning experiences. Furthermore, outdoor components, such as planting seeds to take home, promote active engagement with nature and encourage environmental responsibility.

Central to the workshop is the discussion of pollution and other environmental issues, empowering students to recognise the impact of human activities on ecosystems. By addressing these topics, participants develop a deeper understanding of the importance of caring for the land and preserving native flora and fauna.

In advancing educator knowledge, RESTA's Bush 2 Beach program emphasises the concept of "Caring for Country" and the significance of native species conservation. Educators gain insights into the critical role humans play in shaping the environment and the importance of sustainable practices. By integrating these principles into their teaching, educators contribute to nurturing ecological awareness and promoting environmental responsibility among young learners.

Aligned with the Kindy Uplift capability areas, including environmental awareness, caring for country, and understanding the impact of human actions on the land, RESTA's workshop facilitates holistic learning experiences that empower students to become environmentally conscious citizens.

<u>Priority Area</u>	<u>How this is met</u>	<u>QKLG Outcomes Achieved</u>
<p><i>Culturally safe, inclusive, and responsive kindergarten programs</i></p> <p><i>Embedding Aboriginal and Torres Strait Islander perspectives</i></p> <p><i>Equity and Access for all</i></p>	<ul style="list-style-type: none"> • Children and educators develop knowledge around the importance of sustainability, caring for and connecting with country • Children and educators learn about bush tucker foods • -Discussion of the importance of native species to country • Children and educators are equipped with the knowledge of how different ecosystems and cultures work • Children form connection with familiar faces entering their environment <p>RESTA's Bush to Beach program places a strong emphasis on developing children's and educator's understanding of sustainability, caring for the environment, and connecting</p>	<p>1. Identity</p> <p>2. Connectedness</p>

Kindy Uplift

<u>Priority Area</u>	<u>How this is met</u>	<u>QKLG Outcomes Achieved</u>
	<p>with country. Through this workshop, children and educators learn about bushtucker foods and the importance of native species to country. They are also equipped with the knowledge of how different ecosystems and cultures work, fostering a sense of connectedness and appreciation for the natural world. By engaging with RESTA's program, children and educators develop a deeper understanding of the importance of caring for the environment and learn about the interconnectedness of different aspects of the natural world. Furthermore, the continuity of familiar faces entering the kindergarten environment through RESTA's programs can help children feel more comfortable and connected to their learning environment.</p>	
<p><i>Social and emotional learning</i></p>	<ul style="list-style-type: none"> • Children develop resilience in times of challenge • Children learn to regulate their emotions with support from educators when in uncertain and challenging situations. • Children form connections with a community organisation • Children learn to adhere to expectations in a challenging social situation • Children become aware of how they may feel with unfamiliar people, how to read if the situation is safe and become confident in the interaction that occurs <p>RESTA's Bush to Beach program also focuses on developing children's emotional resilience and coping skills. Children learn to regulate their emotions with the support of their educators when faced with uncertain and challenging situations. Moreover, they form connections with community organisations, which</p>	<ol style="list-style-type: none"> 1. Identity 2. Connectedness 3. Wellbeing

Kindy Uplift

<u>Priority Area</u>	<u>How this is met</u>	<u>QLG Outcomes Achieved</u>
	<p>can help foster a sense of belonging and community involvement. During these events, children learn to adhere to expectations in challenging social situations and become aware of how they may feel with unfamiliar people. They learn how to read the situation to ensure that it is safe and become confident in the interaction that occurs. Through RESTA's programs, children develop essential skills that enable them to navigate challenging situations with confidence and composure.</p>	
<p><i>Physicality</i></p>	<ul style="list-style-type: none"> • Exploration of the local kindergarten environment identifying flora and fauna • Fine motor, hand-eye coordination and turn-taking when participating in experiences. <p>RESTA's Bush to Beach program also encourages children and educators to explore their local kindergarten environment and identify different flora and fauna. This exploration helps children and educators develop a deeper understanding of their natural surroundings and the importance of caring for the environment. Moreover, the activities in the workshops require children to use their fine motor skills, hand-eye coordination, and turn-taking skills. These skills are essential for children's development, and by incorporating them into the learning experience, RESTA's programs help children build these skills in a fun and engaging way and educators become aware of different teaching pedagogies that can be used.</p>	<p>3. Wellbeing 4. Active Learning 5. Communicating</p>
<p><i>Executive Functioning</i></p>	<ul style="list-style-type: none"> • Children learn to pose questions • Children link to prior experiences 	<p>1. Identity 2. Connectedness 4. Wellbeing 5. Communicating</p>



Kindy Uplift

<u>Priority Area</u>	<u>How this is met</u>	<u>QKLG Outcomes Achieved</u>
	<ul style="list-style-type: none"> • Children expand their knowledge about ecosystems • Children and educators become aware of their impact on ecosystems and importance of sustainability • Children recall their learning and use the information taught when opportunity arises in their community • Children share their learning with parents/caregivers and the local kindergarten community • Children and Educators become aware of the ecosystem they live in and how to best support its needs. • Educators and children enhance their knowledge on the need and how to embed sustainable practices to enhance local native flora and fauna. <p>RESTA's Bush to Beach program encourages children and educators to pose questions, link their prior experiences with their learning, and expand their knowledge. Through this workshop RESTA aims to develop children and educators' awareness of the ecosystem they live in and how to best support its needs. Additionally, children are encouraged to recall their learning and use it when the opportunity arises in their community.</p> <p>By engaging with RESTA's program, children and educators can enhance their knowledge of sustainable practices to enhance local native flora and fauna. This knowledge can be used to embed sustainable practices within their learning environment and foster a sense of environmental responsibility in children. Overall, RESTA's program provides children and educators with valuable tools to</p>	

Kindy Uplift

<u>Priority Area</u>	<u>How this is met</u>	<u>QKLG Outcomes Achieved</u>
	<p>enhance their learning and build their knowledge and understanding of the natural world.</p>	
<p><i>Oral Language & Literacy</i></p>	<ul style="list-style-type: none"> • Children and educators enhance and expand their vocabulary around caring for country, native flora and fauna and sustainability • Children challenge their listening and responding skills • Children and educators pose questions and answer them • Children share their thoughts and ideas with others <p>RESTA's Bush to Beach program aims to enhance and expand children and educators' vocabulary around caring for country, native flora and fauna, and sustainability. Through the workshop, children and educators engage in conversations, challenge their listening and responding skills, and pose questions and answer them. This interactive approach helps children develop their communication skills and expand their vocabulary around these topics. Additionally, children are encouraged to share their thoughts and ideas with others, building their confidence and self-expression skills. By engaging with RESTA's program, children and educators can develop a deeper understanding of these subjects and enhance their knowledge and skills in communicating about them. This can lead to a greater appreciation for the natural world and a sense of environmental responsibility in children.</p>	<p>5. Communicating</p>
<p><i>Mathematics & Numeracy</i></p>	<ul style="list-style-type: none"> • Children use positional language to complete activities • Children use mathematical concepts to complete activities supported by educators and RESTA professionals 	<p>4. Active Learning 5. Communicating</p>



Kindy Uplift

<u>Priority Area</u>	<u>How this is met</u>	<u>QKLG Outcomes Achieved</u>
	<p>RESTA's Bush to Beach program also incorporates opportunities for children to use positional language and mathematical concepts to complete activities. Through these activities, children can develop their understanding of mathematical concepts, such as counting, sorting, and measurement, while also expanding their vocabulary and communication skills. Educators and RESTA professionals support children throughout these activities, providing guidance and feedback to ensure that children can complete the activities successfully. By incorporating these activities into the learning experience, RESTA's Bush to Beach program helps children develop essential skills and knowledge while also making learning fun and engaging & builds educator confidence in embedding these learning strategies throughout other learning areas.</p>	

Investigate Experiments

(Cassowary Coast and Cains Region only)

An introduction to the principles of science offers students an engaging opportunity to delve into the wonders of experimentation, with each activity promising fun and exciting outcomes. Through hands-on exploration, children participate in a variety of experiments spanning different science disciplines, including static electricity, surface tension, chemical reactions, and sound vibrations, among others.

Beyond the thrill of discovery, these science experiments serve as powerful tools for developing children's language, communication skills, and executive functioning. Through observation, prediction, and analysis, students learn to articulate their observations and findings, enhancing their verbal and written communication abilities. Moreover, engaging in scientific inquiry fosters critical thinking and problem-solving skills, nurturing executive function development.

As educators actively participate in these science incursions, they deepen their understanding of how science investigations can enrich and extend children's learning experiences. By incorporating scientific principles into their teaching practices, educators enhance their pedagogical repertoire, providing opportunities for children to explore and inquire about the world around them.

Recognising the importance of science capability, educators strive to embed scientific inquiry into their curriculum, aligning with the Kindergarten Uplift capability areas. By fostering culturally safe, inclusive, and responsive kindergarten programs, educators create environments where all students feel valued and respected.

Furthermore, science exploration contributes to social and emotional learning by encouraging collaboration, resilience, and curiosity. Physical engagement in science activities promotes gross and fine motor skills development, while the integration of mathematics and numeracy concepts enhances mathematical understanding and reasoning.

In summary, the introduction to science principles not only sparks excitement and curiosity in children but also serves as a catalyst for holistic development, aligning with the Kindergarten Uplift capability areas and fostering a love for lifelong learning.

<u>Priority Area</u>	<u>How this is met</u>	<u>QLG Outcomes Achieved</u>
<p><i>Culturally safe, inclusive, and responsive kindergarten programs</i></p> <p><i>Embedding Aboriginal and Torres Strait Islander perspectives</i></p> <p><i>Equity and Access for all</i></p>	n/a	
<p><i>Social and emotional learning</i></p>	<ul style="list-style-type: none"> • Children develop resilience in times of challenge • Children learn to regulate their emotions with support from educators when in uncertain and challenging situations. • Children form connections with a community organisation 	<p>1. Identity</p> <p>2. Connectedness</p> <p>5. Communicating</p>

Kindy Uplift

<u>Priority Area</u>	<u>How this is met</u>	<u>QKLG Outcomes Achieved</u>
	<ul style="list-style-type: none"> • Children become aware of how their emotions can be triggered during an event • Children learn to adhere to expectations in a challenging social situation • Children become aware of how they may feel with unfamiliar people, how to read if the situation is safe and become confident in the interaction that occurs. • Children share, take-turns and display resilience during the experience <p>RESTA's Investigate experiments program also focuses on developing children's emotional resilience and coping skills. Children develop resilience in times of challenge and learn to regulate their emotions with the support of their educators when faced with uncertain and challenging situations. By forming connections with community organisations, children also gain a sense of belonging and learn about the importance of community involvement. During these events, children become aware of how their emotions can be triggered and learn to adhere to expectations in challenging social situations. They also learn how to read unfamiliar situations to ensure that they are safe and become confident in the interaction that occurs.</p> <p>Moreover, through the learning experiences in RESTA's programs, children share, take turns, and display resilience. These activities help children build their communication skills, social skills, and emotional regulation skills, all of which are important for their development. By engaging with RESTA's programs, children can develop these skills in a fun and engaging</p>	

Kindy Uplift

<u>Priority Area</u>	<u>How this is met</u>	<u>QKLG Outcomes Achieved</u>
	<p>way, helping them navigate challenging situations with confidence and composure.</p>	
<p><i>Physicality</i></p>	<ul style="list-style-type: none"> • Educators and children use hand-eye movements and visual tracking to complete experiments • Children become confident in pouring, touching and using the vocabulary introduced around different scientific concepts <p>RESTA's Investigate experiments program also encourages children to develop their hand-eye movements and visual tracking skills by completing experiments. Through these experiments, children can develop their fine motor skills and hand-eye coordination, which are essential for their development. Moreover, children become confident in pouring, touching, and using the vocabulary introduced around different scientific concepts. These activities help children build their confidence and develop their understanding of scientific concepts in a fun and engaging way. By incorporating these activities into the learning experience, RESTA's programs help children develop essential skills and knowledge while also making learning enjoyable.</p>	<p>3. Wellbeing</p>
<p><i>Executive Functioning</i></p>	<ul style="list-style-type: none"> • Children learn to pose questions • Children link to prior experiences • Children and educators expand their knowledge on how science works. • Children recall their learning and use to recreate the science • Children share their learning with parents/caregivers and 	<p>2. Connectedness 3. Wellbeing 4. Active Learning 5. Communicating</p>



Kindy Uplift

<u>Priority Area</u>	<u>How this is met</u>	<u>QKLG Outcomes Achieved</u>
	<p>the local kindergarten community</p> <ul style="list-style-type: none"> • Children and Educators become aware of the importance of science and what science gives us • Children and educators become aware of how to look outside the box, predicting, investigating, and concluding on different science concepts. • Educators become aware of different strategies and experiences they can embed to enhance active child engagement. <p>RESTA's Investigate experiments program encourages children to pose questions, link their prior experiences with their learning, and expand their knowledge on how science works. Through the workshops, children and educators explore scientific concepts, conduct experiments, and engage in discussions. Children are also encouraged to recall their learning and use it to recreate the science, fostering a deeper understanding of scientific principles. Moreover, children are encouraged to share their learning with their parents, caregivers, and the local kindergarten community, increasing awareness about the importance of science and its benefits.</p> <p>Through RESTA's programs, children and educators become aware of the importance of science and what science gives us. They also learn how to look outside the box, predict, investigate, and conclude on different science concepts. These experiences help children develop their critical thinking and problem-solving skills while fostering an appreciation for the scientific process. Additionally, educators become aware of</p>	



Kindy Uplift

<u>Priority Area</u>	<u>How this is met</u>	<u>QKLG Outcomes Achieved</u>
	<p>different strategies and experiences they can embed to enhance active child engagement, promoting a love for learning in children. Overall, RESTA's programs provide children and educators with valuable tools to enhance their learning and build their knowledge and understanding of the scientific world.</p>	
<p><i>Oral Language & Literacy</i></p>	<ul style="list-style-type: none"> • Children and educators enhance and expand their vocabulary around science. • Children challenge their listening and responding skills • Children and educators pose questions and answer them • Children share their thoughts and ideas with others <p>RESTA's Investigate experiments program also focuses on enhancing and expanding children and educators' vocabulary around science. Through the workshops, children and educators engage in conversations, challenge their listening and responding skills, and pose questions and answer them. This interactive approach helps children develop their communication skills and expand their vocabulary around scientific concepts. Moreover, children are encouraged to share their thoughts and ideas with others, building their confidence and self-expression skills. By engaging with RESTA's programs, children and educators can develop a deeper understanding of scientific concepts and enhance their knowledge and skills in communicating about them. This can lead to a greater appreciation for science and its benefits and foster a love for learning in children.</p>	<p>4. Active Learning 5. Communicating</p>

Kindy Uplift

<u>Priority Area</u>	<u>How this is met</u>	<u>QKLG Outcomes Achieved</u>
<p><i>Mathematics & Numeracy</i></p>	<ul style="list-style-type: none"> • Children use positional language to complete activities • Children use mathematical concepts to complete activities supported by educators and RESTA professionals <p>RESTA's Investigate experiments program also incorporates opportunities for children to use positional language and mathematical concepts to complete activities. Through these activities, children can develop their understanding of mathematical concepts, such as counting, sorting, and measurement, while also expanding their vocabulary and communication skills. Educators and RESTA professionals support children throughout these activities, providing guidance and feedback to ensure that children can complete the activities successfully. By incorporating these activities into the learning experience, RESTA's programs help children develop essential skills and knowledge while also making learning fun and engaging. Additionally, children can learn how to use positional language to describe the location of different objects in their environment, further developing their communication and language skills.</p>	<p>4. Active Learning 5. Communicating</p>



Kindy Uplift

Under the Microscope

RESTA's Under the Microscope workshop provides students with a captivating exploration of magnification, offering insights into the fascinating world of microscopic observation. Through interactive activities, participants learn about the concept of focusing on subjects for enhanced viewing, fostering curiosity and inquiry.

Utilising LCD screen microscopes, this workshop ensures ease of use and accessibility for students of all ages and capabilities.

In addition to indoor activities, outside discovery time is incorporated, providing opportunities for students to utilise microscopes and magnifying glasses to examine their surroundings. This hands-on exploration encourages engagement with the natural world, promoting a deeper appreciation for the unseen wonders around them, and enhancing children's connections to the natural environment.

Samples are carefully selected to highlight the transformative power of magnification, showcasing ordinary objects that reveal extraordinary details when viewed up close.

This incursion serves as a valuable opportunity for educators to enhance their capability and confidence in utilising technology to enrich learning experiences. By integrating digital microscopy into their teaching practices, educators expand their pedagogical toolkit, by being able to create with confidence dynamic and engaging lessons that cater to diverse learning styles.

Participation in Under the Microscope deepens educator knowledge about the unseen world, fostering a deeper understanding of microscopic organisms and structures. This newfound understanding enables educators to facilitate meaningful discussions and inquiries, promoting scientific literacy and critical thinking skills among students.

By engaging in microscopic exploration, both educators and students enhance their executive functioning skills, such as observation, analysis, and problem-solving. Additionally, language development is supported as students articulate their observations and findings, strengthening oral and written communication skills.

Aligned with the Kindergarten Uplift capability areas, Under the Microscope promotes culturally safe, inclusive, and responsive kindergarten programs by fostering curiosity and appreciation for diverse perspectives.

This workshop also contributes to social and emotional learning by encouraging collaboration, resilience, and curiosity. Physical engagement in microscopy activities promotes fine motor skills development, while the integration of mathematics and numeracy concepts enhances mathematical understanding and reasoning.

<u>Priority Area</u>	<u>How this is met</u>	<u>QKLG Outcomes Achieved</u>
<p><i>Culturally safe, inclusive, and responsive kindergarten programs</i></p> <p><i>Embedding Aboriginal and Torres Strait Islander perspectives</i></p> <p><i>Equity and Access for all</i></p>	<ul style="list-style-type: none"> • Children and educators develop knowledge around the importance of sustainability, caring for and connecting with country • Children and educators learn about the unseen and the importance of acknowledging how the 'unseen' can impact our native flora and fauna • Discussion of the importance of native species to country 	<ol style="list-style-type: none"> 1. Identity 2. Connectedness

Kindy Uplift

<u>Priority Area</u>	<u>How this is met</u>	<u>QKLG Outcomes Achieved</u>
	<ul style="list-style-type: none"> • Children form connection with familiar faces entering their environment <p>RESTA's Under the Microscope program also focuses on developing children's understanding of sustainability, caring for the environment, and connecting with country. Through the workshops, children and educators learn about the unseen aspects of our environment and how they impact our native flora and fauna. There are discussions around the importance of native species to country, which helps children develop a sense of connectedness and appreciation for the natural world. By engaging with RESTA's programs, children also form connections with familiar faces entering their learning environment, which can foster a sense of trust and community.</p>	
<p><i>Social and emotional learning</i></p>	<ul style="list-style-type: none"> • Children develop resilience in times of challenge • Children learn to regulate their emotions with support from educators when in uncertain and challenging situations. • Children form connections with a community organisation • Children become aware of how their emotions can be triggered during an event • Children learn to adhere to expectations in a challenging social situation <p>RESTA's Under the Microscope program also focuses on developing children's emotional resilience and coping skills. Through the workshops, children learn how to regulate their emotions and handle challenging situations with the support of their educators. By forming connections with community</p>	<ol style="list-style-type: none"> 1. Identity 2. Connectedness 3. Wellbeing

Kindy Uplift

<u>Priority Area</u>	<u>How this is met</u>	<u>QKLG Outcomes Achieved</u>
	<p>organisations, children also gain a sense of belonging and learn about the importance of community involvement. During these events, children become aware of how their emotions can be triggered, and they learn to adhere to expectations in challenging social situations. These experiences help children develop resilience and the ability to navigate challenging situations with confidence and composure.</p>	
<p><i>Physicality</i></p>	<ul style="list-style-type: none"> • Children are supported to use their fine motor skills such as finger control, coordination, and strength to focus microscopes and change slides <p>RESTA's Under the Microscope program also supports the development of children's fine motor skills, such as finger control, coordination, and strength. Children are encouraged to use these skills to focus microscopes and change slides, allowing them to explore the world around them in a hands-on and engaging way. By incorporating these activities into their learning, children can develop essential motor skills while also expanding their knowledge and understanding of scientific concepts.</p>	<p>3. Wellbeing 4. Active Learning</p>
<p><i>Executive Functioning</i></p>	<ul style="list-style-type: none"> • Educators and children become aware of how their observation skills can impact their discoveries • Children learn to pose questions • Children link to prior experiences • Children and educators expand their knowledge on how technology can enhance understanding of ecosystems, flora, fauna, etc. • Children recall their learning and use to independently 	<p>3. Wellbeing 4. Active Learning 5. Communicating</p>



Kindy Uplift

<u>Priority Area</u>	<u>How this is met</u>	<u>QKLG Outcomes Achieved</u>
	<p>explore using technology (microscopes)</p> <ul style="list-style-type: none"> • Children share their learning with parents/caregivers and the local kindergarten community • Children and Educators become aware of the importance of science and what science gives us, especially the use of microscopes. • Educators become aware of how they can embed and use microscopes to enhance children’s understanding of the world around them. <p>It is important for educators and children to develop their observation skills to enhance their discoveries. Through RESTA's Under the Microscope program, children learn to ask questions and link their experiences to their learning. Additionally, RESTA's workshops use technology, such as microscopes, to deepen children's understanding of ecosystems, flora, and fauna. By using microscopes, children can explore and recall their learning, and even share their discoveries with their parents and the wider kindergarten community. Educators also become more aware of the significance of science and how they can integrate the use of microscopes to enrich children's learning experiences.</p>	
<p><i>Oral Language & Literacy</i></p>	<ul style="list-style-type: none"> • Children and educators enhance and expand their vocabulary around science. • Children challenge their listening and responding skills • Children and educators pose questions and answer them • Children share their thoughts and ideas with others 	<p>4. Active Learning 5. Communicating</p>



Kindy Uplift

<u>Priority Area</u>	<u>How this is met</u>	<u>QKLG Outcomes Achieved</u>
	<p>RESTA's educational Under the Microscope program enhances children's vocabulary around science, challenges their listening skills, and encourages them to share their thoughts and ideas. The workshop encompasses STEM disciplines and content, supporting educators in developing confidence in delivering engaging STEM focused lessons to the children.</p>	
<p><i>Mathematics & Numeracy</i></p>	<ul style="list-style-type: none"> • Children use positional language to complete activities 	<p>4. Active Learning 5. Communicating</p>