

the  
great  
green  
**vine**  
invention

by  
**jona david**

illustrated by C. A. Adlam



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- 'The Epic Eco-Inventions' by Jona David (Europe/North America), illustrated by Carol Adlam
- 'The Great Green Vine Invention' by Jona David (Europe/North America), illustrated by Carol Adlam
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Voices of Future Generations Children's Book Series



United Nations  
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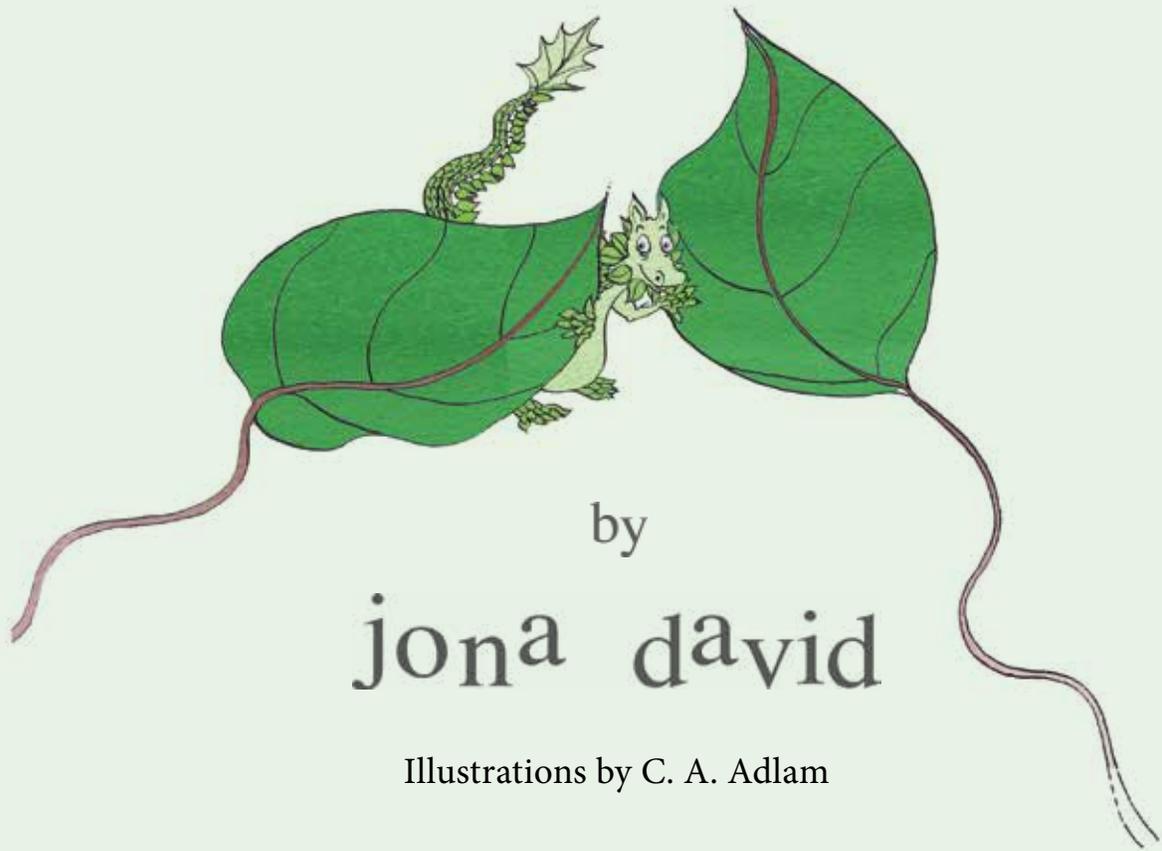
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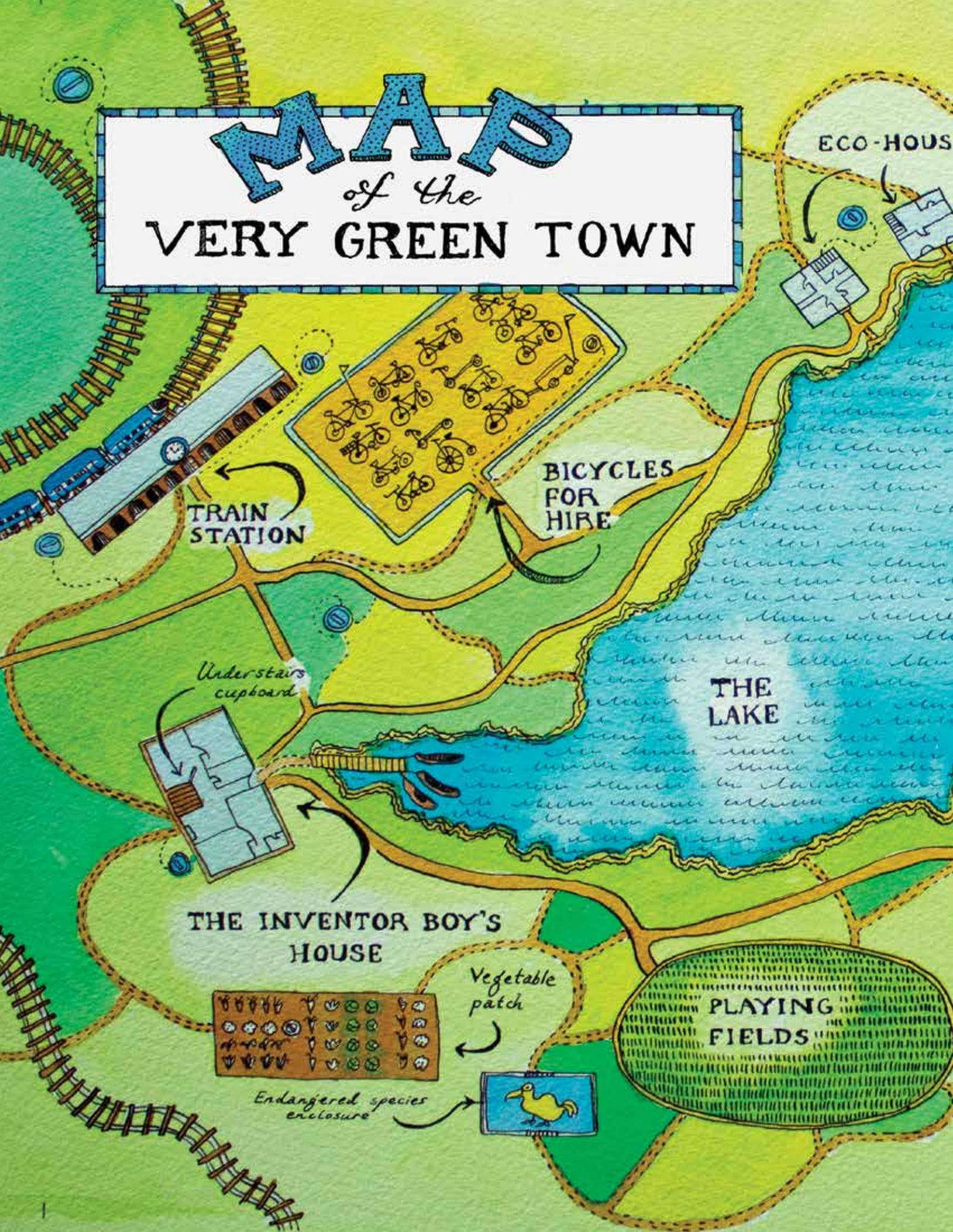


by

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# MAP of the VERY GREEN TOWN



ECO-HOUSES

TRAIN STATION

BICYCLES FOR HIRE

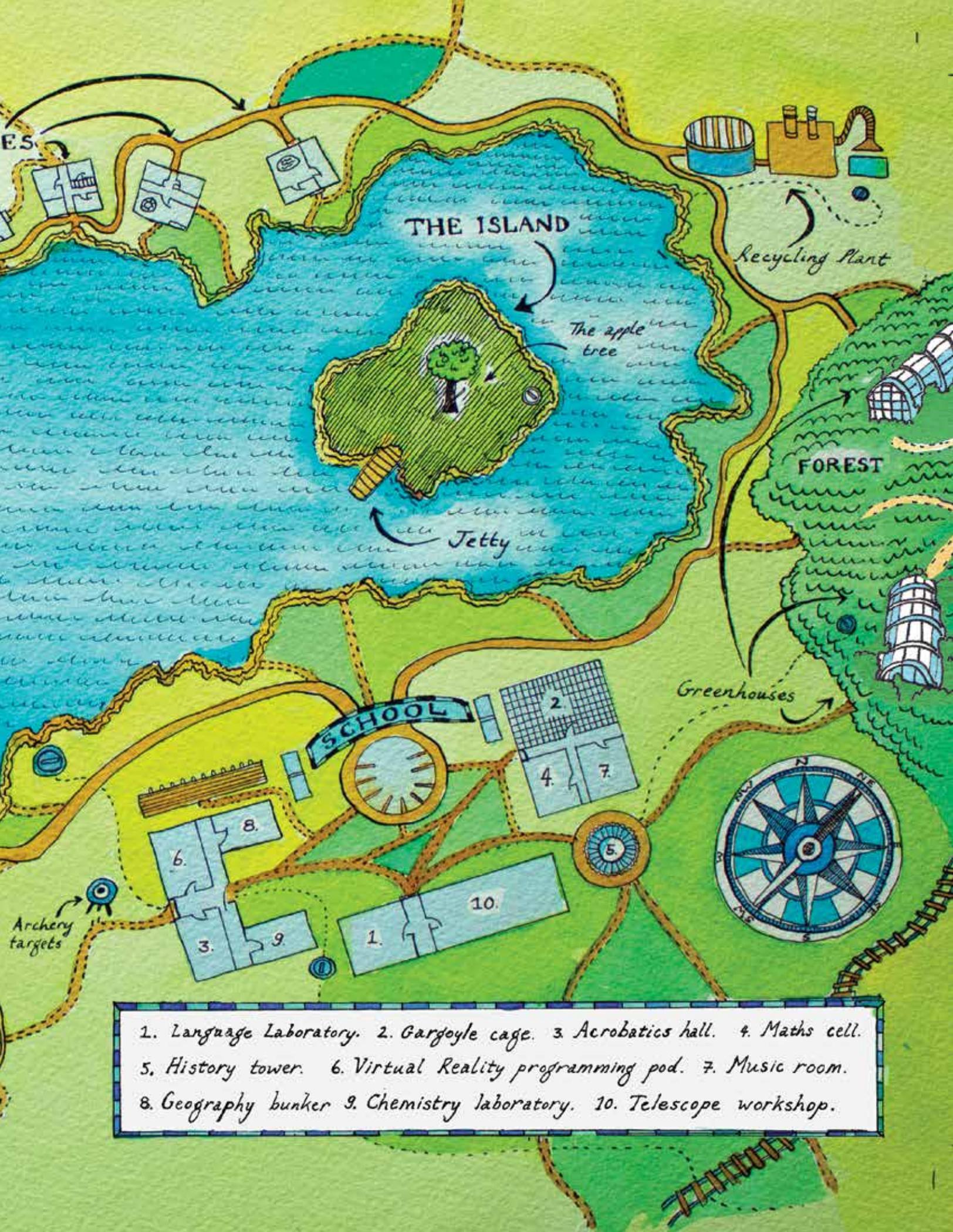
THE LAKE

THE INVENTOR BOY'S HOUSE

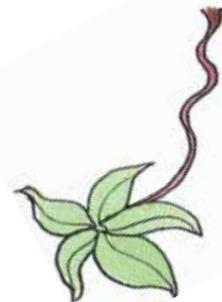
Vegetable patch

Endangered species enclosure

PLAYING FIELDS



1. Language Laboratory. 2. Gargoyle cage. 3. Acrobatics hall. 4. Maths cell.  
5. History tower. 6. Virtual Reality programming pod. 7. Music room.  
8. Geography bunker 9. Chemistry laboratory. 10. Telescope workshop.



# foreword



At UNESCO, we like to say that there is no limit to the human imagination – what matters is that it is turned towards bettering the lives of people and protecting our planet. Invention often starts in solitude, and our Child Author’s genius inventor boy is no exception. Thankfully, his curious little brother continues to break into the secrets of his universe, understands the value and implications of his inventions for humanity, and helps share them wisely.

We are all responsible for safeguarding our precious planet – from world leaders to children, parents and communities. Science, technology and innovation hold part of the answer. However, the starting point is to change values and attitudes so that everyone becomes aware that we are all connected and that every action carries an impact, whether it is related to how we produce, consume or relate to each other. School is the best place to start this cycle of positive change for the future. I have visited schools where students have led successful projects to harvest rain water, use solar energy, recycle waste and carry out community action, showing that every gesture can make a difference.

Over the past decade, UNESCO has been working actively with countries to integrate education for sustainable development into school programmes. Leaders have committed to continue this effort, because it is ultimately through education that we will be successful in bringing about a future that is beneficial for people and for our planet. This Child Author and the others in the Series, have a unique chance to share their vision and speak for the right of every child to an education and a future of dignity. These are the highest priorities for UNESCO. We wish all success to these children for their studies, their writing and their new projects to build a better world for all.

— *Irina Bokova*  
*Director-General,*  
*United Nations Educational, Scientific and Cultural Organization*

# preface



This series of children's books *Voices of Future Generations* brings to life the importance of the sacred trust that each generation carries, to create a better world for our children.

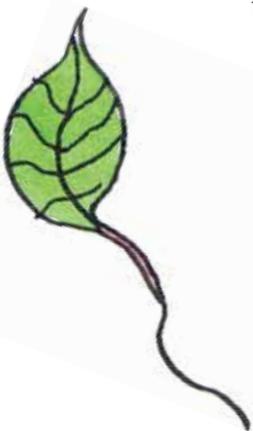
The *Great Green Vine Invention* illuminates how children care about growth, what it means, and its limits. Our Child Author offers a vision of development that is in harmony with others and with nature.

In the face of a changing climate, the destruction of global resources, the pollution of our environment and injustices in our human family, the younger generation represented in this volume offers a playful, creative voice, which carries hope for a better future. It is a gentle reminder that courage, kindness, innovation and responsibility are the keystones on which civilization flourishes. This is also the central message of the 2012 Rio+20 Conference, in which I served as Secretary-General of the UNEP World Congress on Justice, Governance and Law for Environmental Sustainability.

As a Judge for one of Brazil's highest courts, the founding President of the Green Planet Institute, the Chair of the IUCN World Commission on Environmental Law and a longstanding member of the Brazilian Environmental Council (CONAMA), I find myself contemplating our future with both concern and optimism. This book offers joyful, heartwarming perspectives on the same issues. By helping others to hear the voice of this Child Author, my honorary godson, we offer new perspectives to the world. I warmly commend the *Great Green Vine Invention* and the *Voices of Future Generations* series to your attention, as we continue our journey toward sustainability.

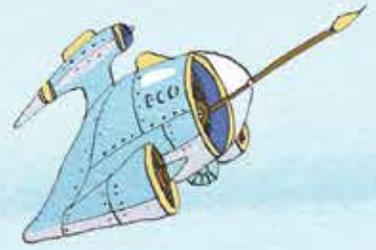
— Justice Antonio Benjamin

Judge of the Federal High Court of Brazil and Chair of the IUCN World Commission on Environmental Law





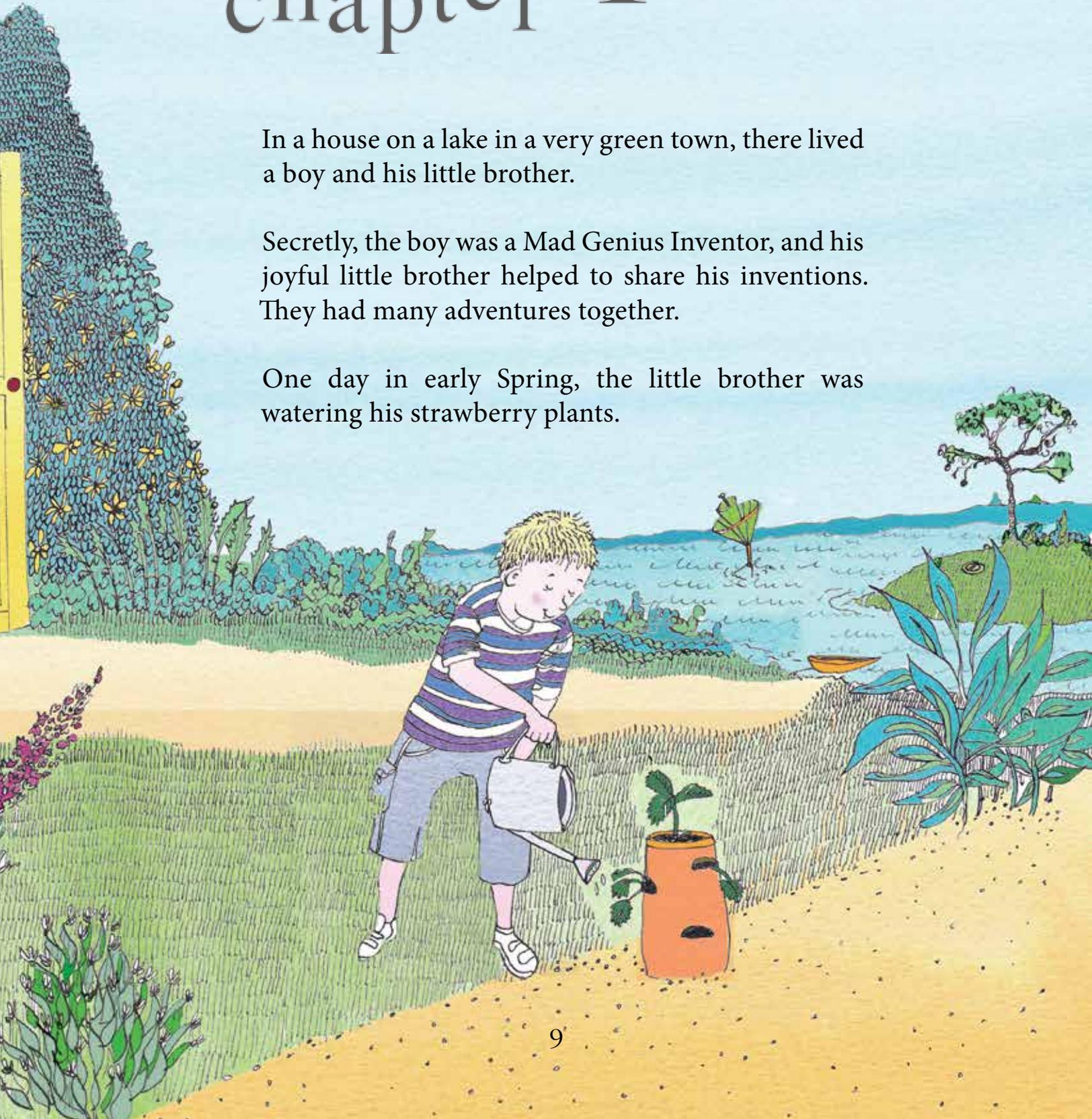
# chapter 1



In a house on a lake in a very green town, there lived a boy and his little brother.

Secretly, the boy was a Mad Genius Inventor, and his joyful little brother helped to share his inventions. They had many adventures together.

One day in early Spring, the little brother was watering his strawberry plants.



The Inventor Boy came up to him. ‘This might help’, he said, dropping something bright green and sparkling onto the stones beside the beds.

The little brother looked down, just as the gift unfurled itself.



The something was shaped like a small dragon. It looked up at them with friendly purple eyes and little leafy paws.

‘Hello’, said the little brother. ‘Would you like to see my baby strawberry plant? I just planted it today.’

The tiny green plant dragon crept over to the seedling and breathed on it. Immediately, its leaves shot up and red strawberries sprouted.

‘Wow!’, said the little brother.



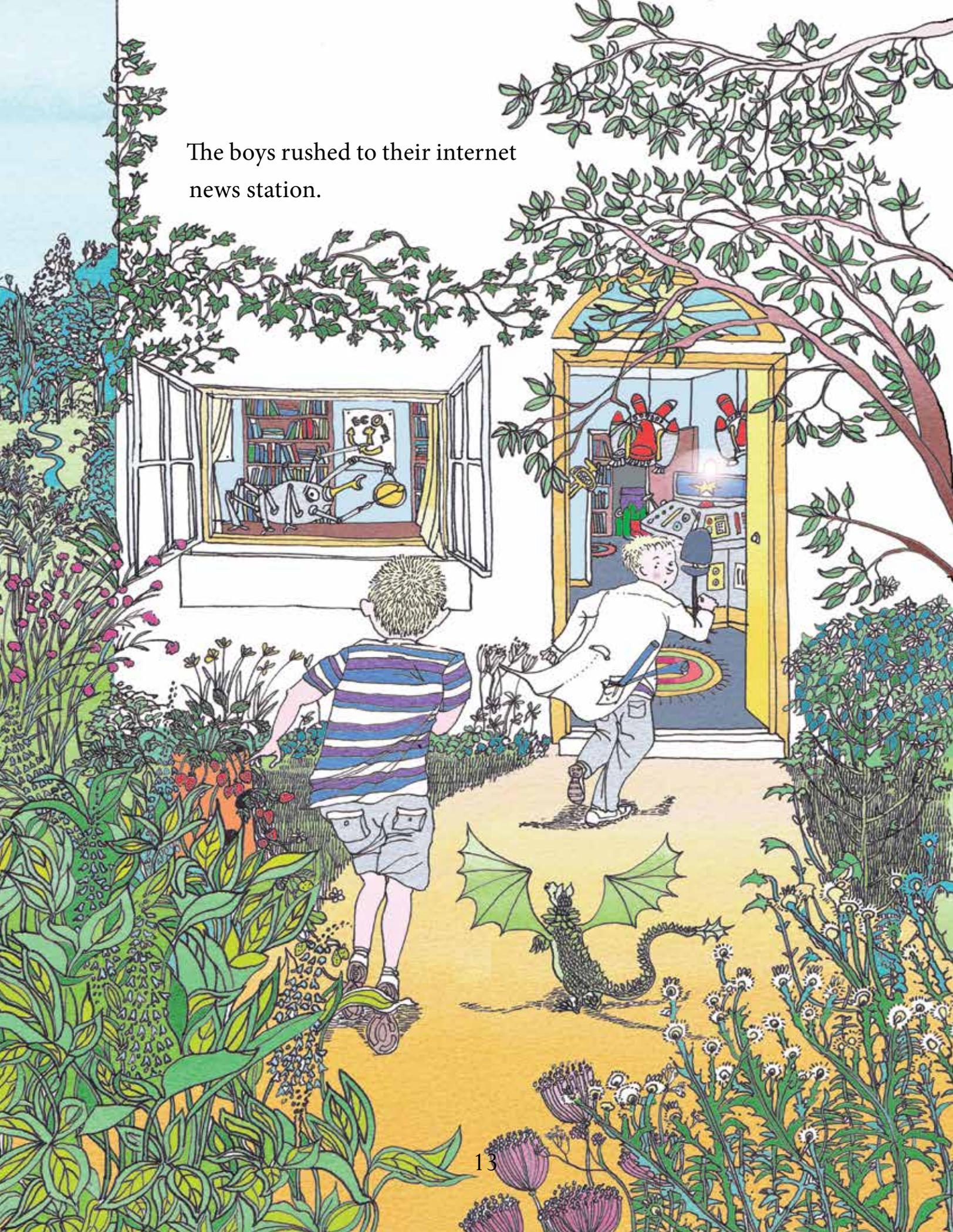
The Inventor Boy smiled and explained that he was becoming interested in botany.

He had adapted the green plant dragon from a Venus Fly Trap and a Pumpkin Vine — adding some special features.



Suddenly, their pet robot spider became visible and sounded the alarm.

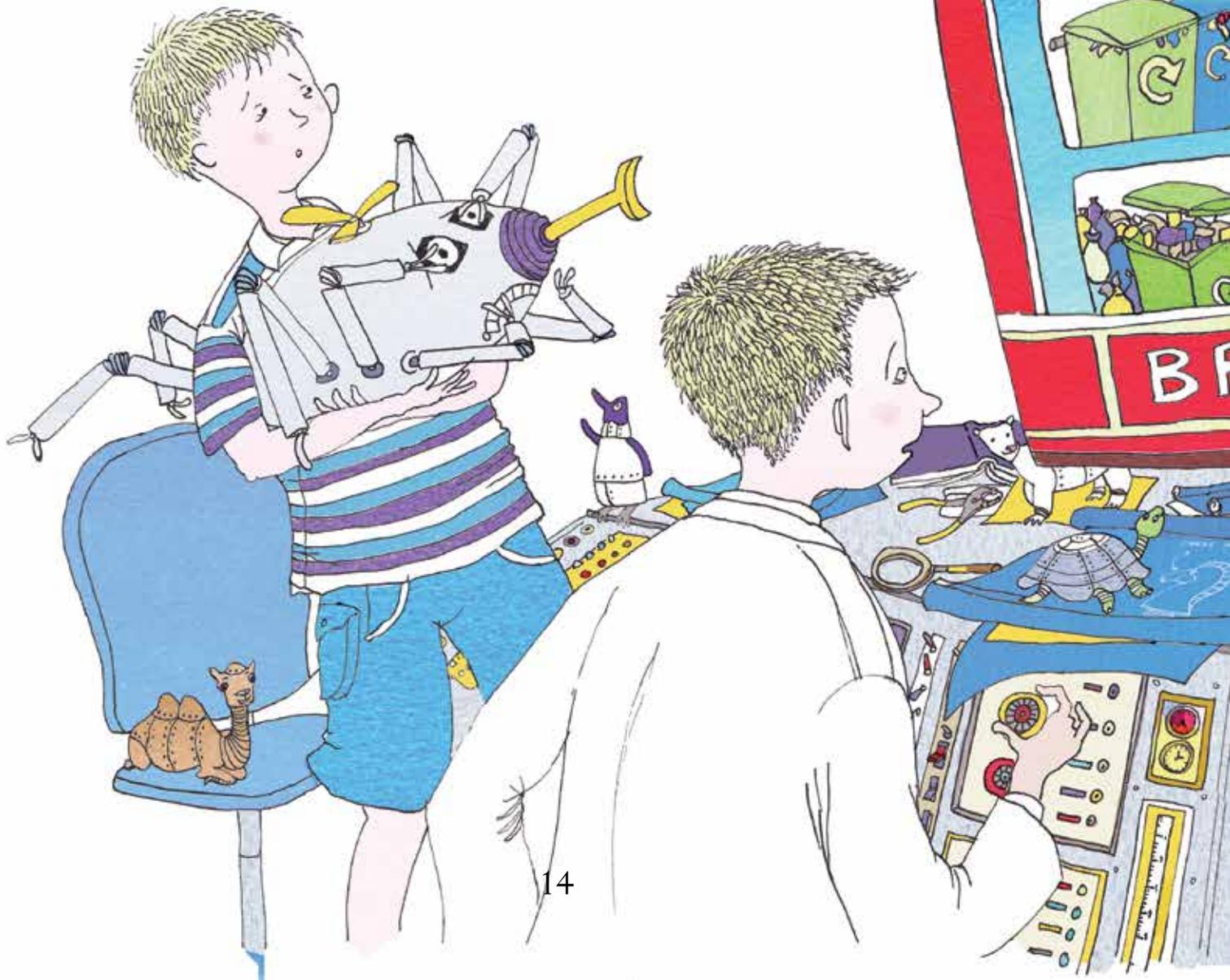
The boys rushed to their internet news station.

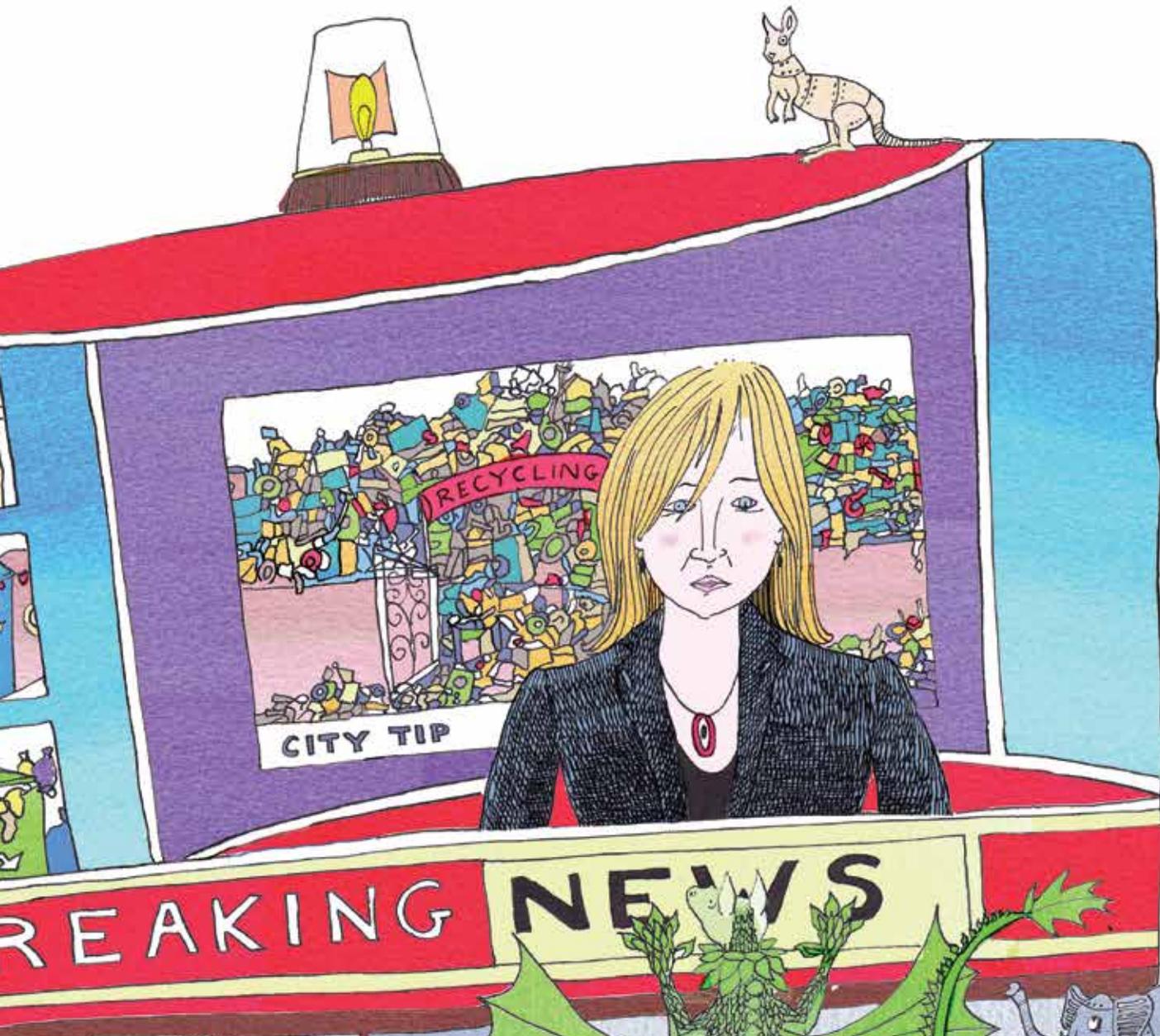


It was a broadcast about the city's garbage problem. A horrible accident had happened at the city tip. A mountain of rubbish had fallen, burying the recycling plant.

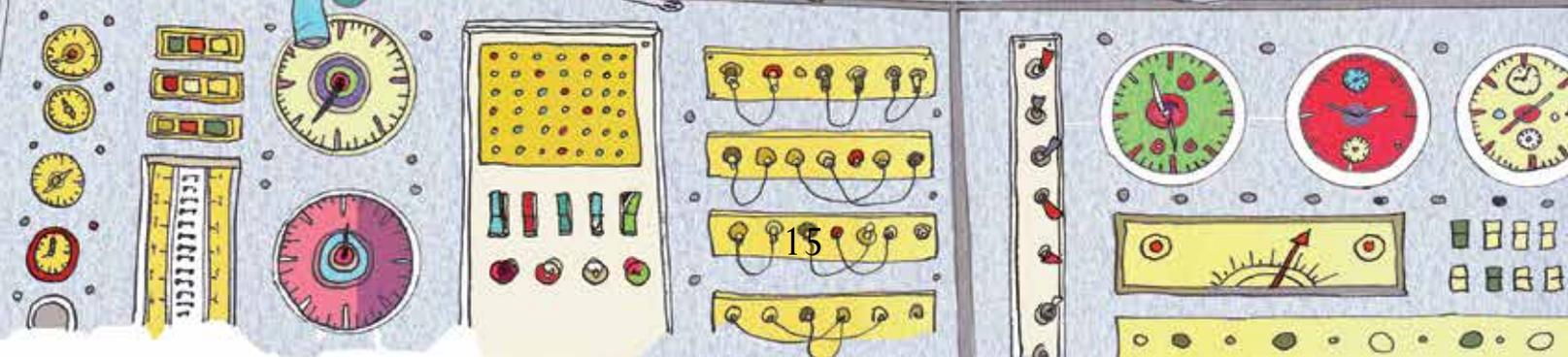
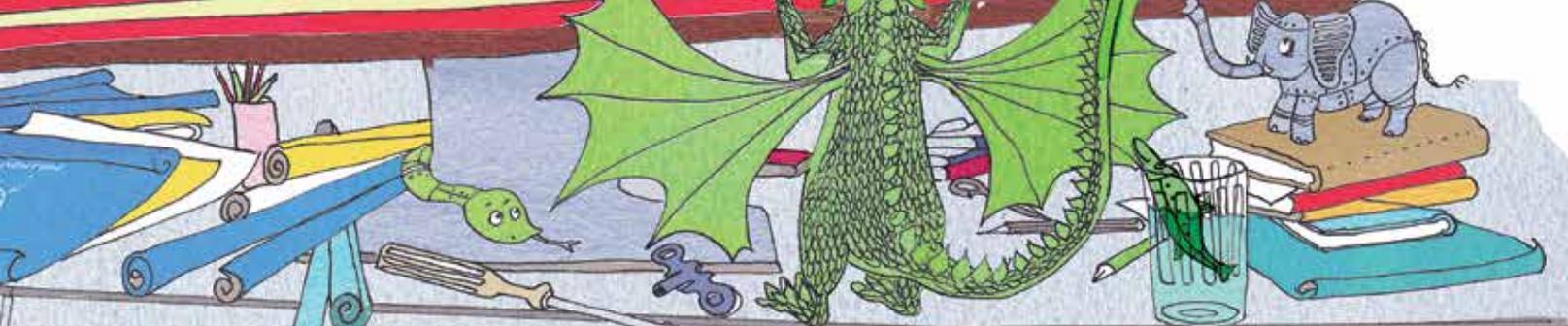
Collectors were refusing to empty household bins as there was no room at the tip.

Rubbish was piling up in front of houses, blocking the streets.

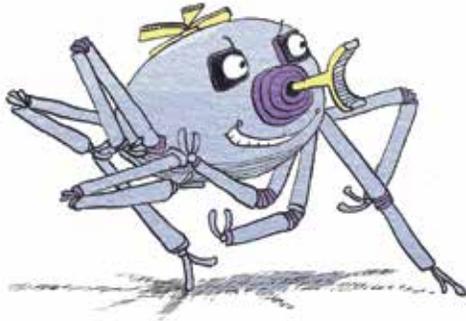




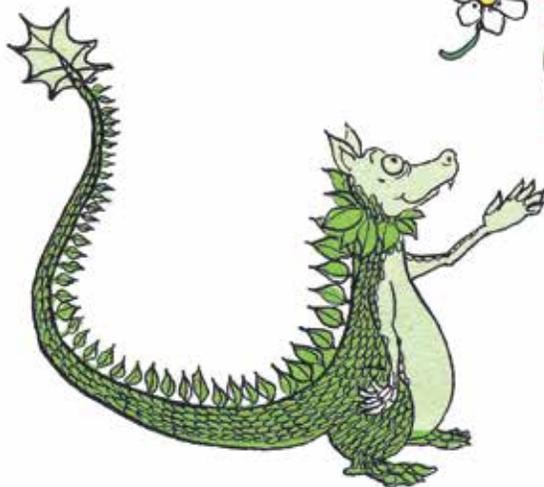
# BREAKING NEWS



The little brother's pet robot spider — who was very good at catching things — raced off to help gather up the mess.

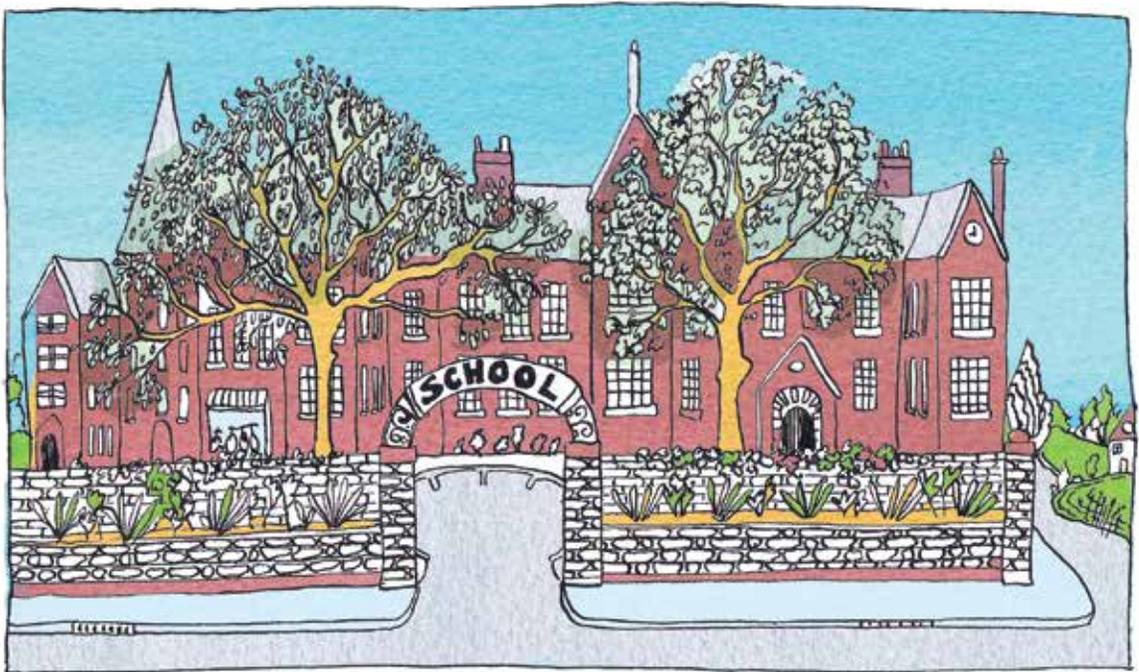


The green plant dragon stayed with his now giant strawberry bush (he was probably making friends with it).

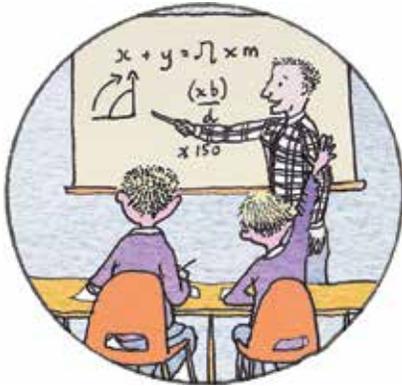


# chapter 2

The two little boys studied in a Terribly Good School not far from their house by the lake.



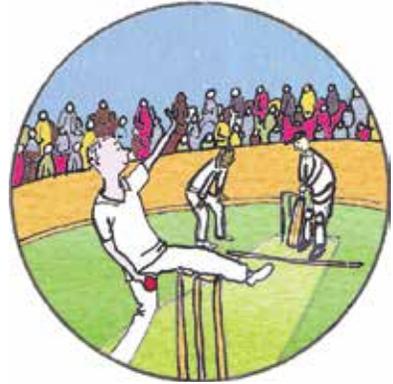
On the first day back after Spring break, the boys had classes in —



maths



science



cricket



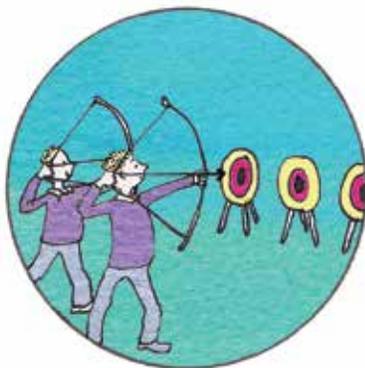
art



geography



English

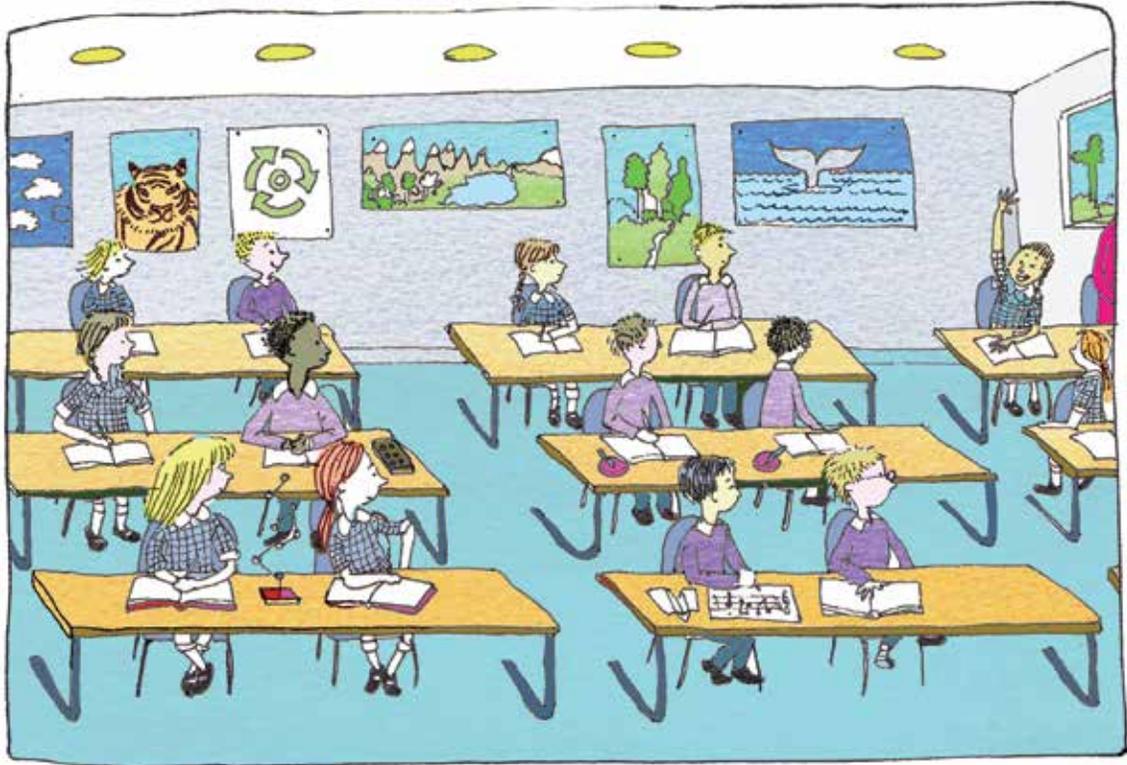


archery



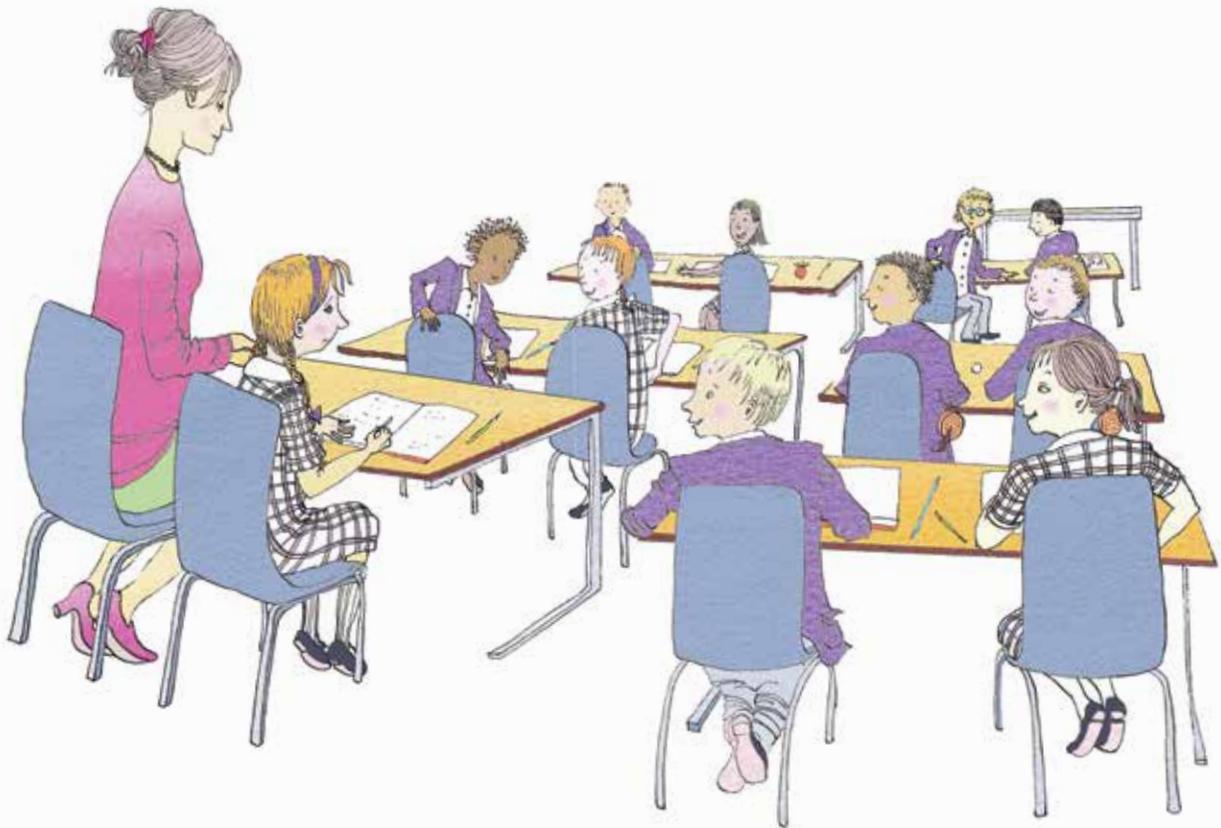
and gargoyle maintenance.

The Little Brother's class talked about the terrible rubbish problem in their science and geography classes, but no one seemed to have a solution.



Then a voice from the back of the class said, 'What if we could make something to eat up all the rubbish? Then we would not even need tips, and there would be no pollution.'

It was a new girl, who had only just arrived at the school. She was deaf and a sign language interpreter came to school with her.



No one knew what to answer, so they laughed like she had made a good joke.

The new girl saw their faces laughing and fell silent. She did not feel welcome at all.



At break, no one included her. They did not know if she would like their games. After school, she had no playmates.

There was no sign of the big brother Inventor Boy. He was probably working on something new. So the little brother (who was friendly and joyful) invited the new girl to come home with him.

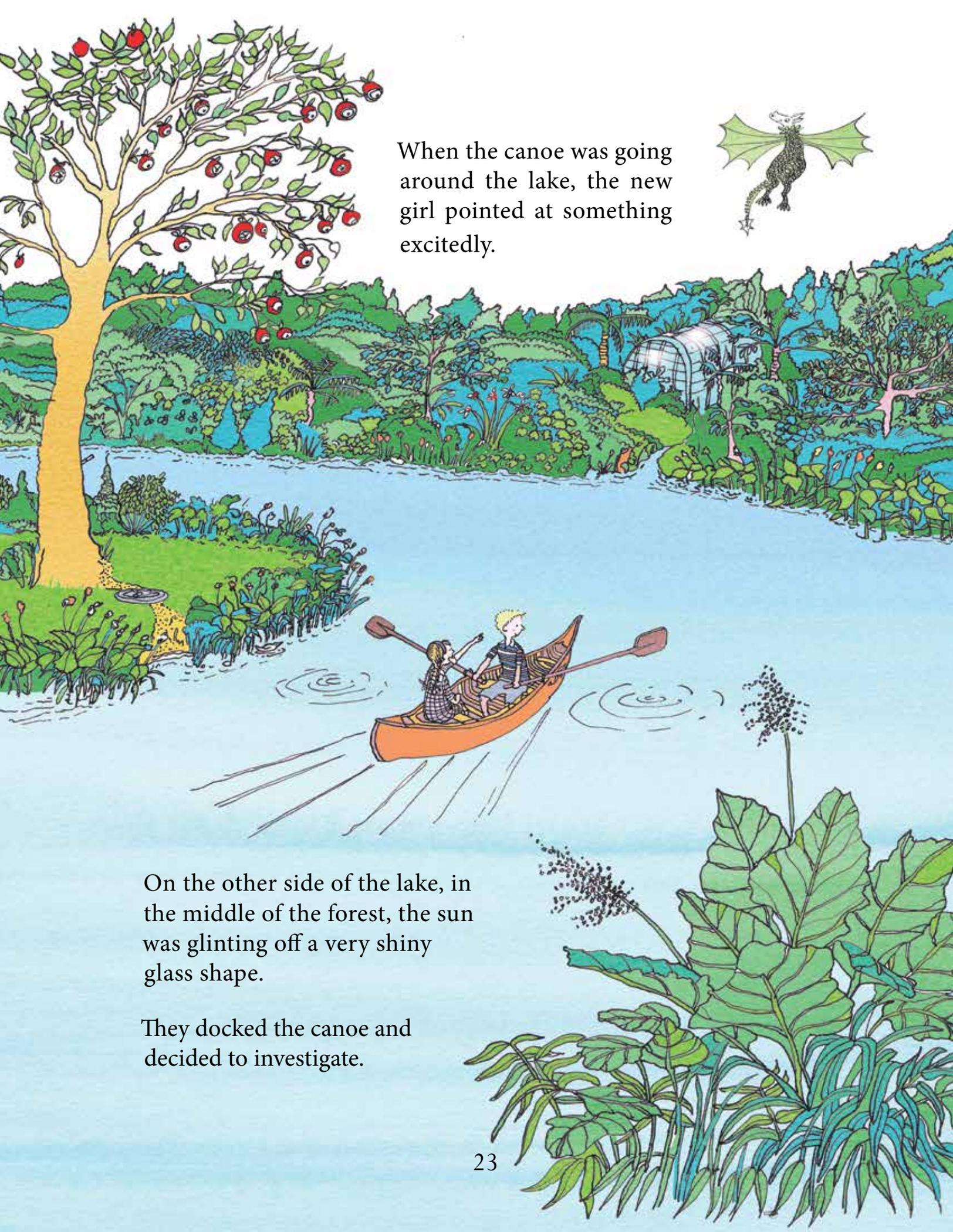


She smiled and signed ‘yes, please!’ to him.

On their playdate they had lots of fun, even though the little brother only knew a few words of sign language.

They took the canoe out to explore the lake in the springtime sun. The little brother tried to explain — using hand signals and making happy faces — that his big brother was a Mad Genius Inventor with a secret laboratory under the island, in the middle of the lake.

He wasn’t sure if the new girl quite understood.



When the canoe was going around the lake, the new girl pointed at something excitedly.

On the other side of the lake, in the middle of the forest, the sun was glinting off a very shiny glass shape.

They docked the canoe and decided to investigate.

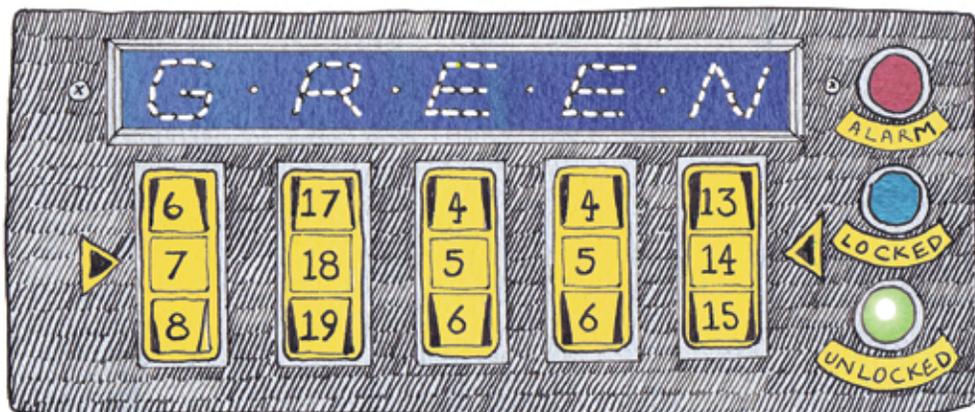
They climbed through the trees until they came to a small clearing. When they saw what was making the reflections, they were amazed!



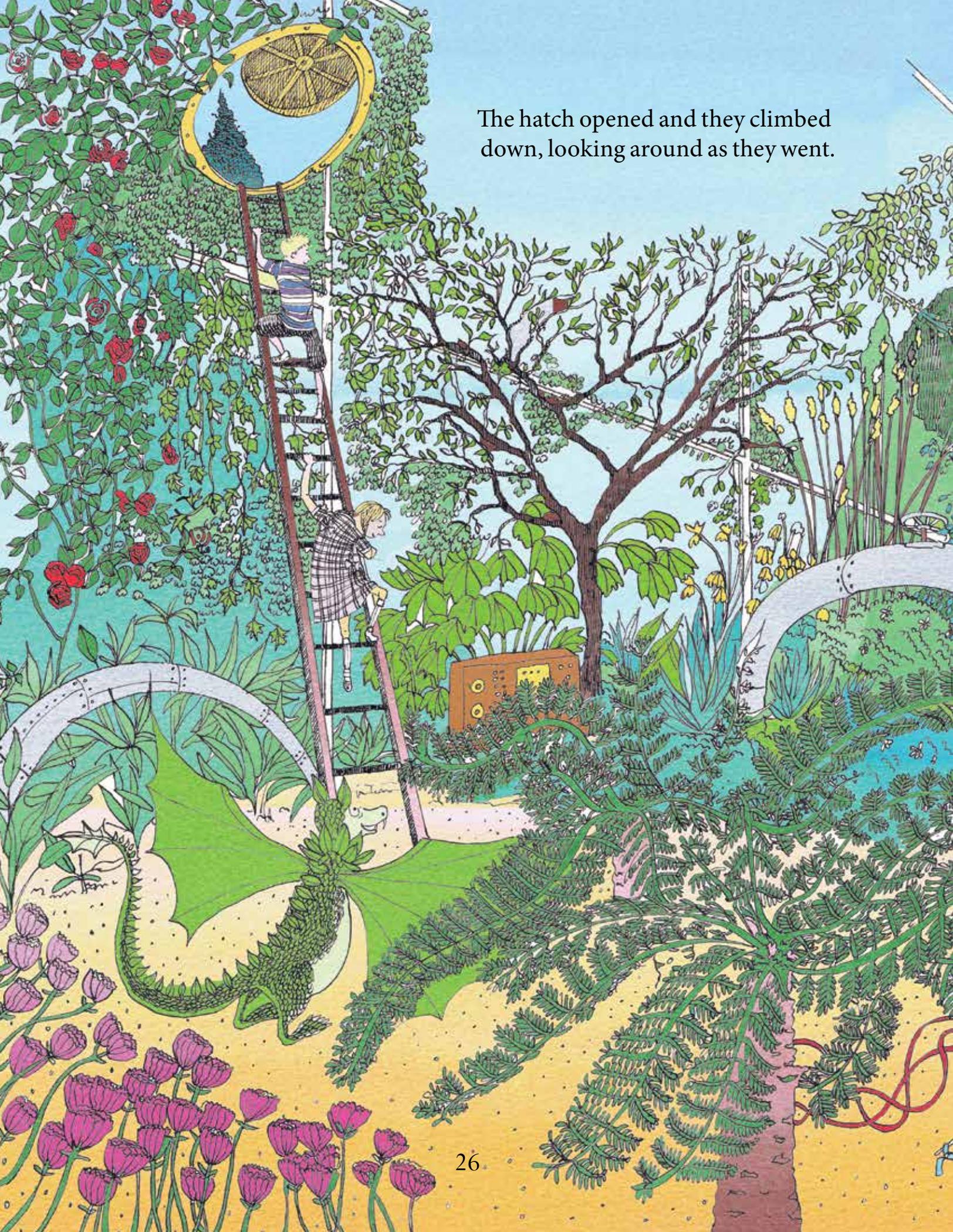
# chapter 3

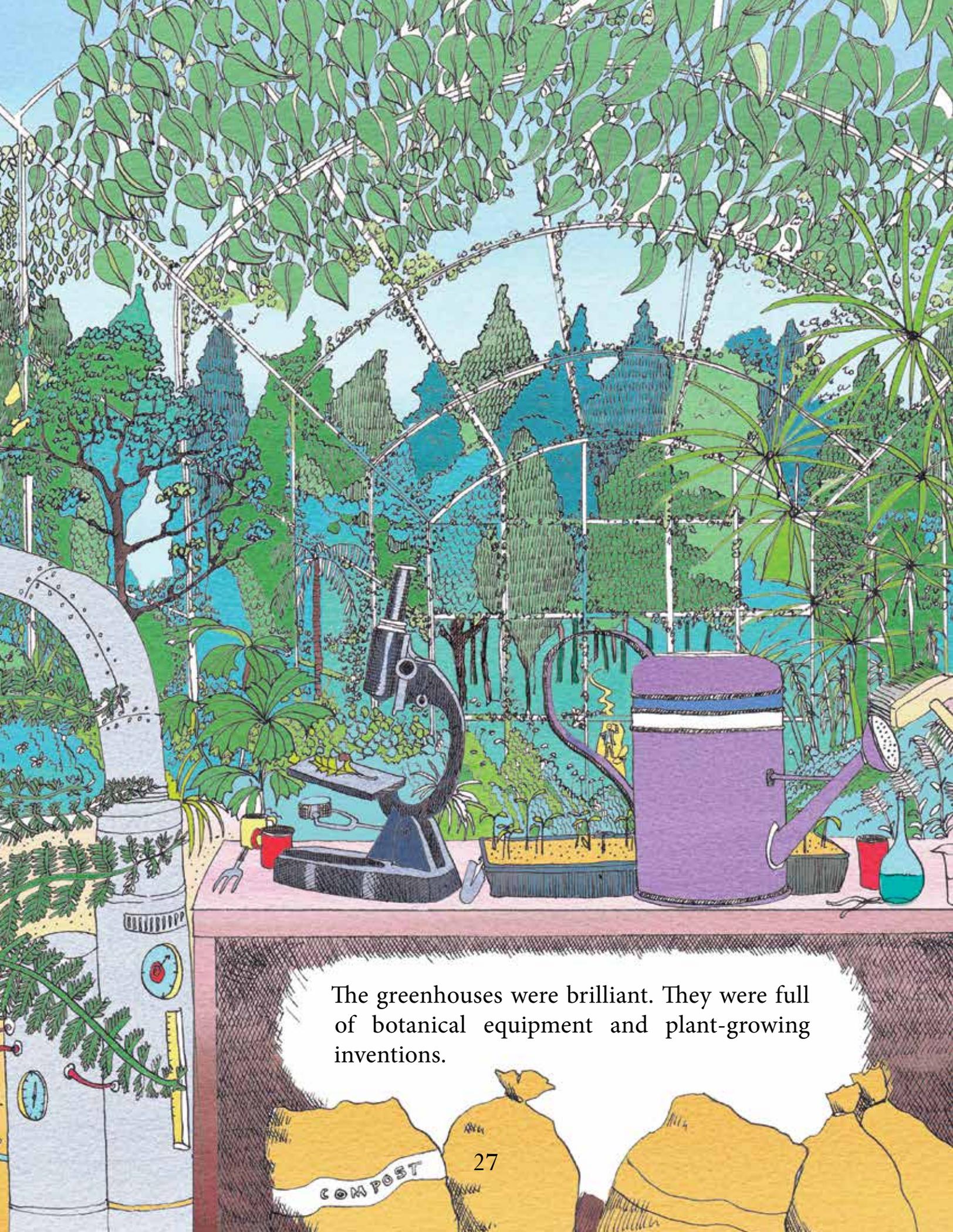
The children had stumbled across a complex of greenhouses! Only the roofs showed through the trees as they were completely hidden in the lakeside forest. The green plant dragon scrambled ahead — he seemed to know the area.

They found a hatch in a greenhouse roof, but it was locked. The Little Brother looked around him in despair. Luckily, the new girl was very good at maths and decoding things. She put in the password —



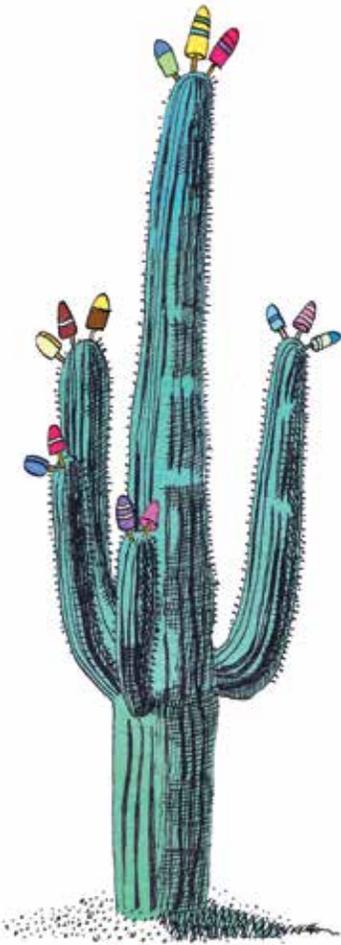
The hatch opened and they climbed down, looking around as they went.





The greenhouses were brilliant. They were full of botanical equipment and plant-growing inventions.

COMPOST



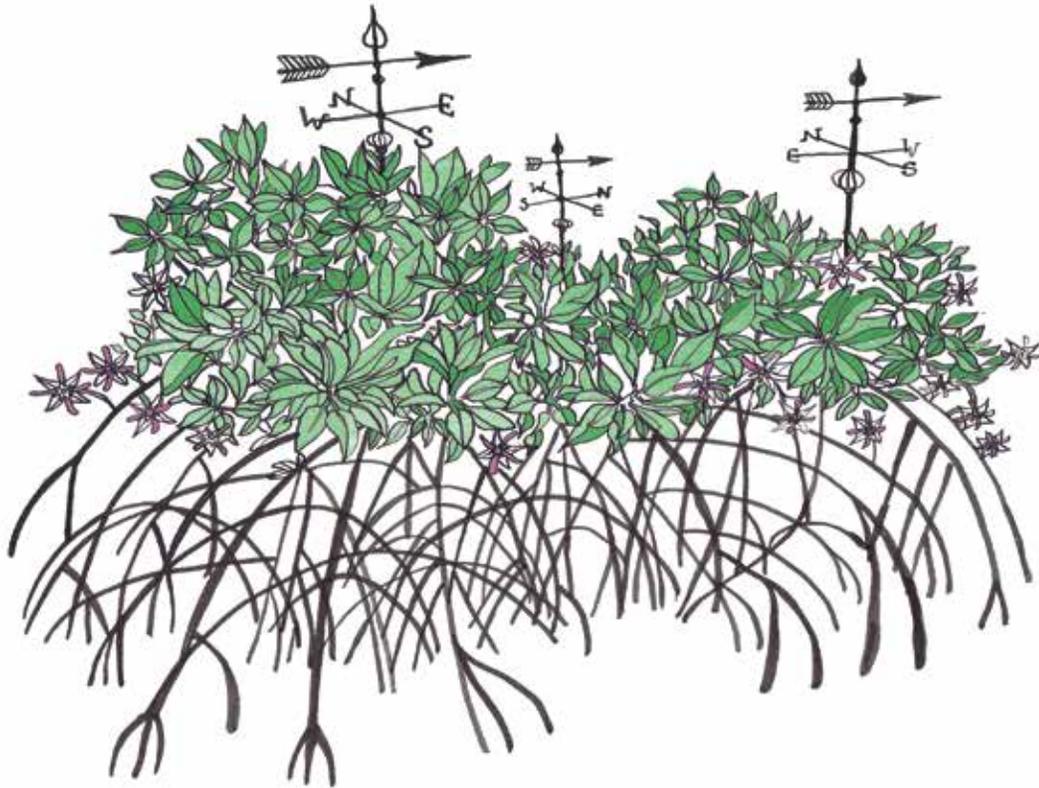
There were cacti that grew ice-lollies for desert travellers ...



and soft green herb bushes that grew marshmallows.

BLUEPRINT NOTES		BLUEPRINT NOTES		BLUEPRINT NOTES		BLUEPRINT NOTES	
<b>DESERT ICE-LOLLY CACTUS</b> <i>(Cactaceaa frigidadulci)</i>				<b>MARSHMALLOW HERB BUSH</b> <i>(Origanum mollisdulce)</i>			
1. Super-cooling nopale pads 2. Ice-lollies in 3 flavours 3. Long tap-root to find water in desert soils 4. Hybrid of Nopale Paddle Cactus and Sugar Cane				1. Grows organic marshmallows for hot chocolate 2. Modified from Oregano Bush			
STRICTLY CONFIDENTIAL				28			

There were mangrove trees with weathervanes which warned about and also prevented storm damage.



LUEPRINT NOTES	BLUEPRINT NOTES	BLUEPRINT NOTES	BLUEPRINT NOTES
<b>WEATHER WARNING MANGROVES</b> <i>(Rhisophora tempestproteget)</i>			
1. Weathervane shoots reaching into sky and long roots to sense big storms			
2. Red, yellow or green flowers that change colour to warn of hurricanes			
3. Seedlings that clone trees with extra strong buttressing roots			
4. Hybrid of Red Mangrove Tree and Black Ironwood Tree			
EYES ONLY			



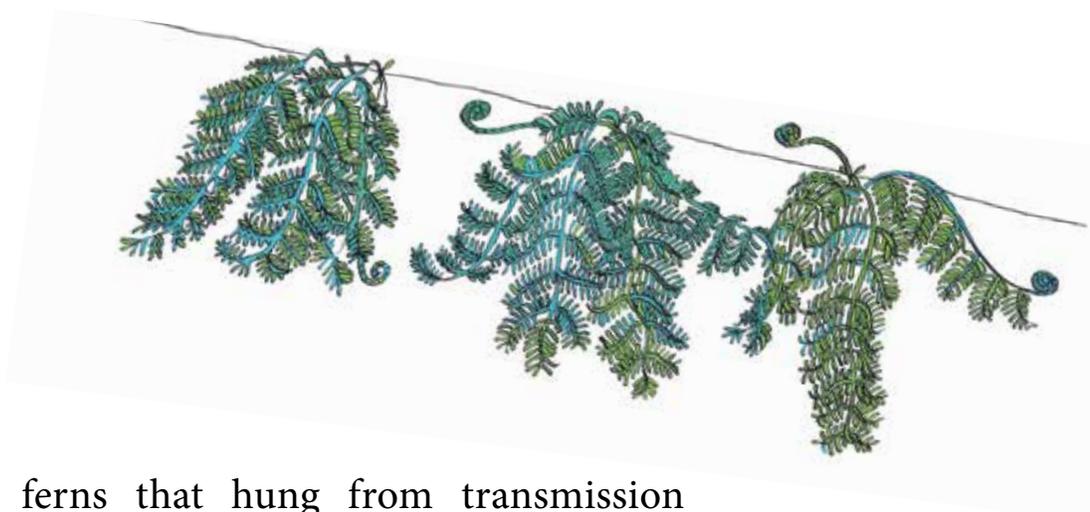
There were creepers shaped like sturdy ladders that gave rainforest nut snacks to the climber ...



and small apple trees that grew spy cameras in many different reds.

BLUEPRINT NOTES      BLUEPRINT NOTES      BLUEPRINT NOTES      BLUEPRINT NOTES

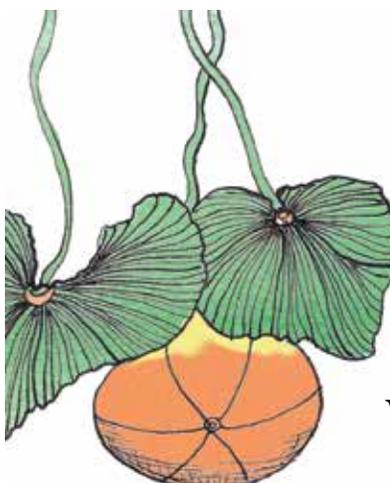
<p><b>RAINFOREST NUT-LADDER</b> <i>(Bertholletia scalanucis)</i></p> <ol style="list-style-type: none"> <li>1. Grows to 180 feet</li> <li>2. Delicious Brazil nuts in soft easy-to-open shells</li> <li>3. Stabilizing roots</li> <li>4. Hybrid of Brazil Nut Tree and Xiquima Vine</li> </ol>		<p><b>APPLE SECURITY TREE</b> <i>(Malus securitas)</i></p> <ol style="list-style-type: none"> <li>1. Spy cameras in fake apples</li> <li>2. Strong and stable roots to hold tree on island</li> <li>3. Heavy electricity-resistant wood to carry hidden wires</li> <li>4. Modified from Royal Gala Apple Tree</li> </ol>	
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There were ferns that hung from transmission lines and absorbed roadside air pollution ... and mushrooms that seemed to munch up petroleum and oils, purifying contaminated soil.

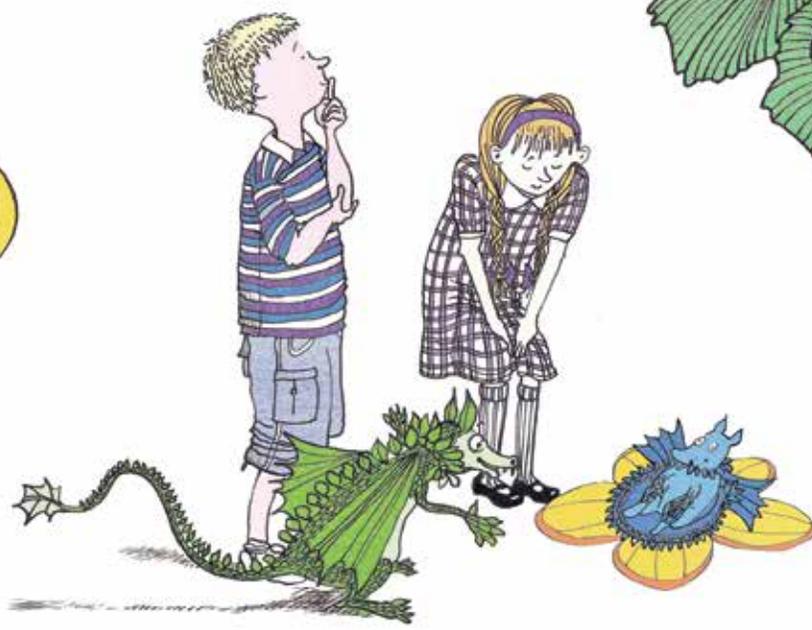
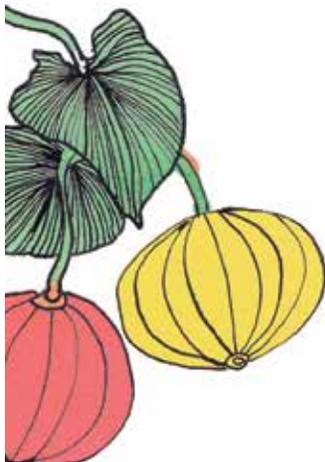
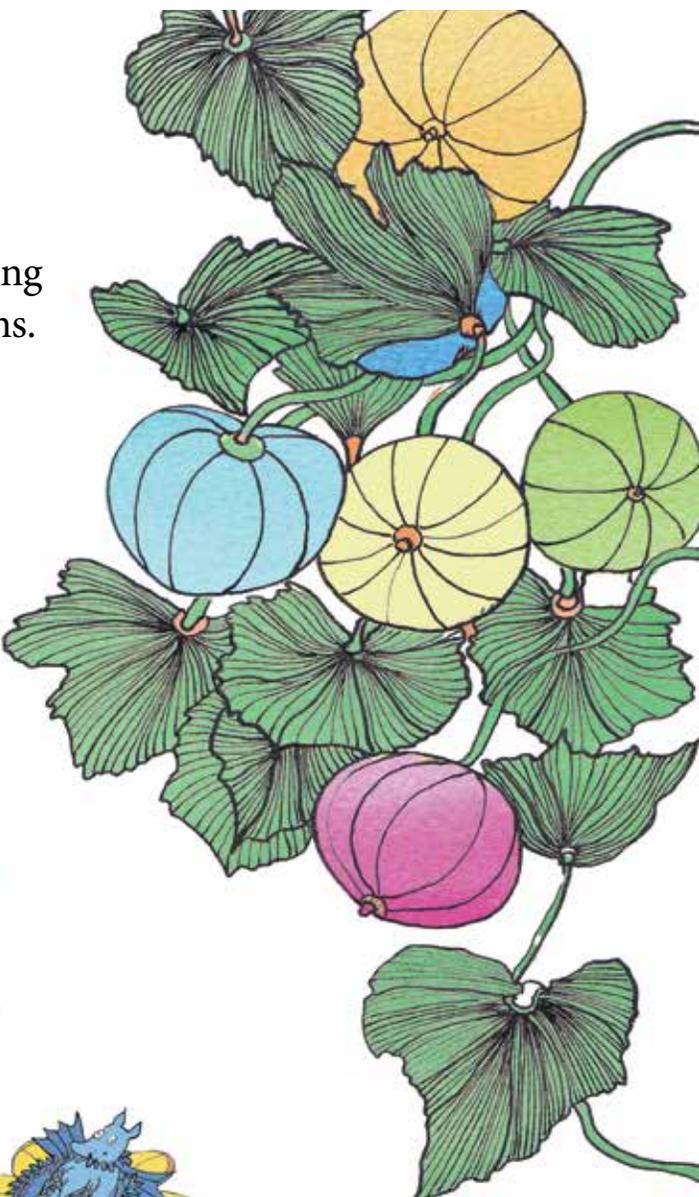


BLUEPRINT NOTES	BLUEPRINT NOTES	BLUEPRINT NOTES	BLUEPRINT NOTES
<p><b>PETROL-MUNCHING MUSHROOMS</b> (<i>Pleurotus solvasordibus</i>)</p> <ol style="list-style-type: none"> <li>1. Root strands that hyper-accumulate pollutants</li> <li>2. Myco-remediators to grow in soil or water</li> <li>3. Pearls that concentrate pollution in delphiniorite shells</li> </ol>		<p><b>CARBON-ABSORBING EPIPHYTES</b> (<i>Platycerium emissionepurus</i>)</p> <ol style="list-style-type: none"> <li>1. Fast-spreading leafy CO<sub>2</sub>-absorbing fern that lives on telephone wires</li> <li>2. Modified from Staghorn Fern</li> </ol>	<p>EYES ONLY</p>



Some plants were growing different coloured pumpkins.

When one fell off a vine and unfurled into a bright blue dragon, they suddenly realised where their green plant dragon had come from!



UEPRINT NOTES      BLUEPRINT NOTES      BLUEPRINT NOTES      BLUEPRINT NOTES

**PET DRAGON PLANT (*Dionaea dracus*)**

- 1. Sweet breath that makes other plants grow super fast
- 2. Super-light body for flying, smart little plant brain, and cheerful personality
- 3. Tough bendy peel to prevent damage from tumbles (but vulnerable to viruses)
- 4. Hybrid of Venus Fly Trap and Pumpkin Vine

There was even a large green vine with many gold berries and leaves, growing out of a rubbish heap. The berries would pop off the vine like popcorn to seed new vines alongside.



‘So this is what my little brother meant by being interested in botany!’ said the brother, laughing. Then they heard footsteps.

BLUEPRINT NOTES	BLUEPRINT NOTES	BLUEPRINT NOTES	BLUEPRINT NOTES
<p><b>GREAT GREEN VINE (<i>Hedera viridimundus</i>)</b></p>			
<p>1. Grows very hastily anywhere, with millions of tiny roots to break down rubbish</p>			
<p>2. Hyper-accumulator plant that absorbs pollutants</p>			
<p>3. Exploding 'popcorn' berries to start new vine-lings</p>			
<p>4. Hybrid of English Ivy, Trumpet Creeper, and Rapeseed</p>			
33			
EYES ONLY			



It was the Inventor Boy. He was worried.

‘It isn’t safe here’, he said, ‘Some of these plants are still experiments, and are alive. Come on, I’ll take you home.’

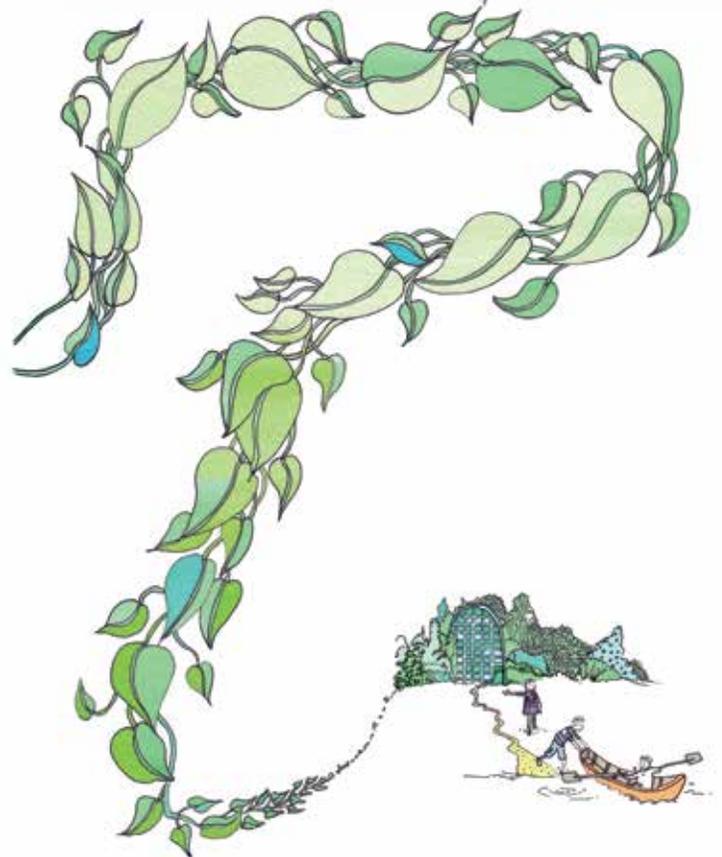
As they left the greenhouse, the dragon sneezed on the rubbish vine.

Only the new girl saw what happened.



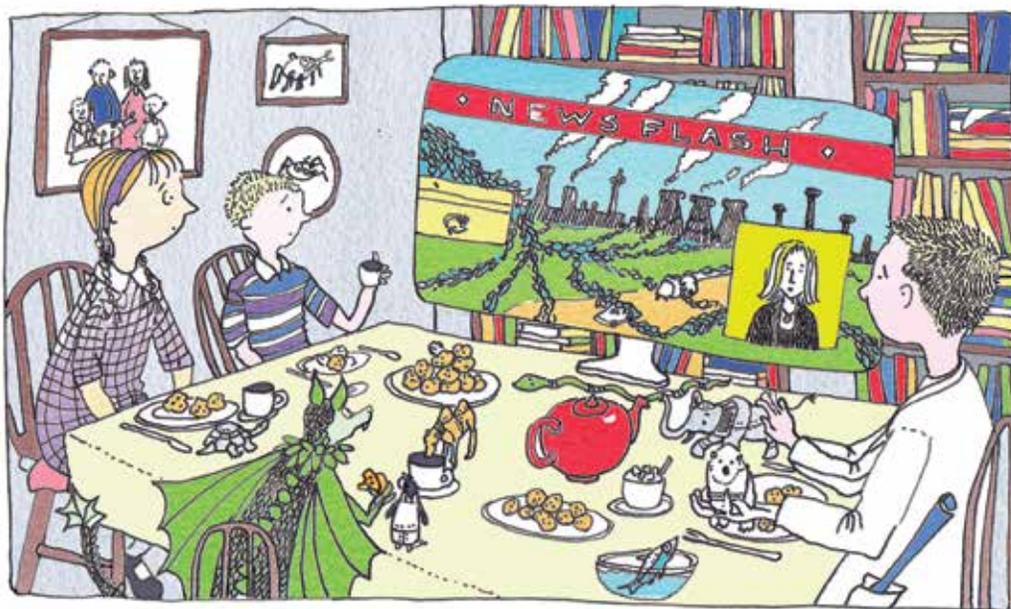
She saw the vine start to move and tried to signal a warning to her new friends.

But the brothers didn’t understand. They locked up the greenhouse and canoed home together across the lake for tea.

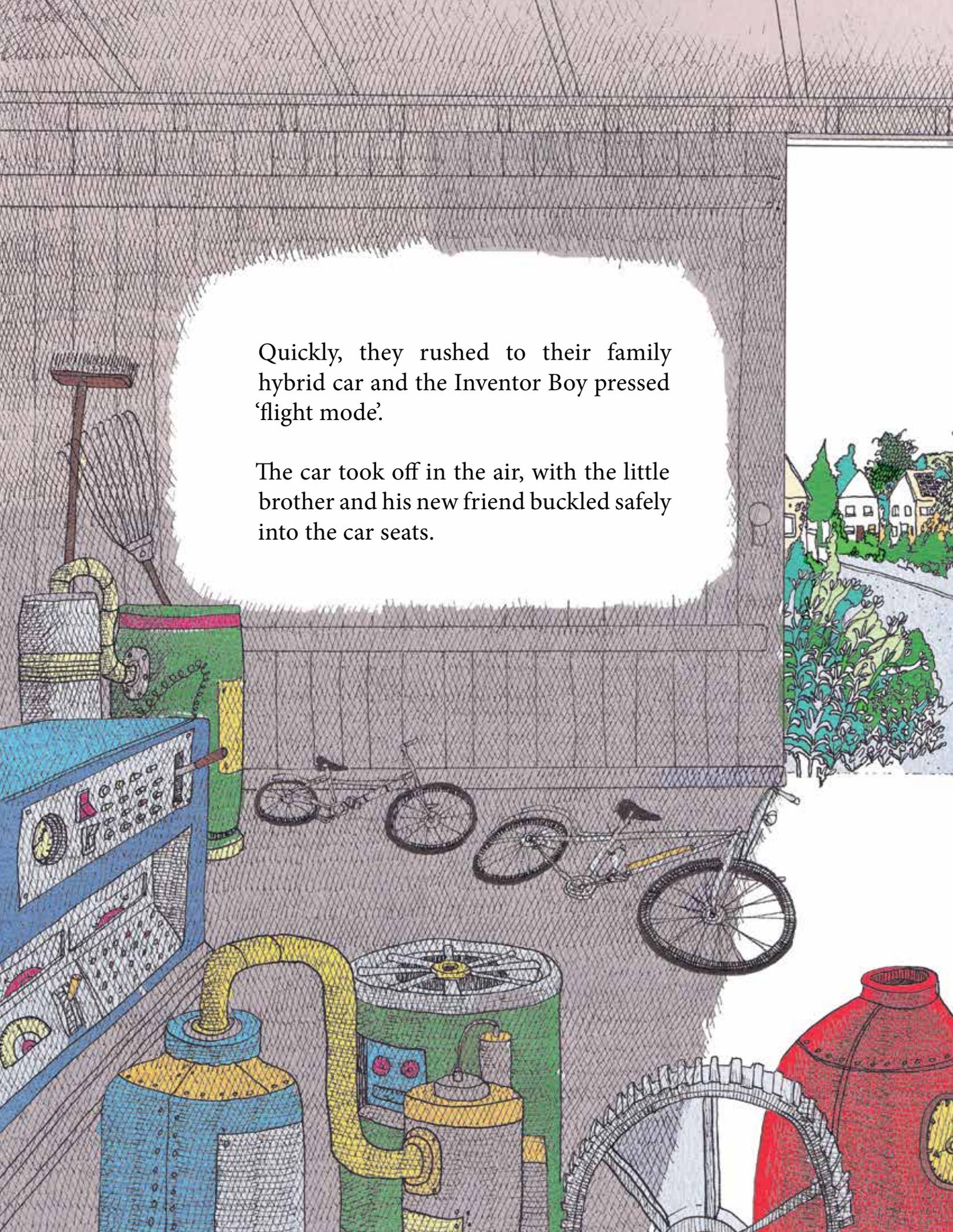


# chapter 4

As they drank their tea, the alarm sounded again and the internet news beacon came on with a new story.

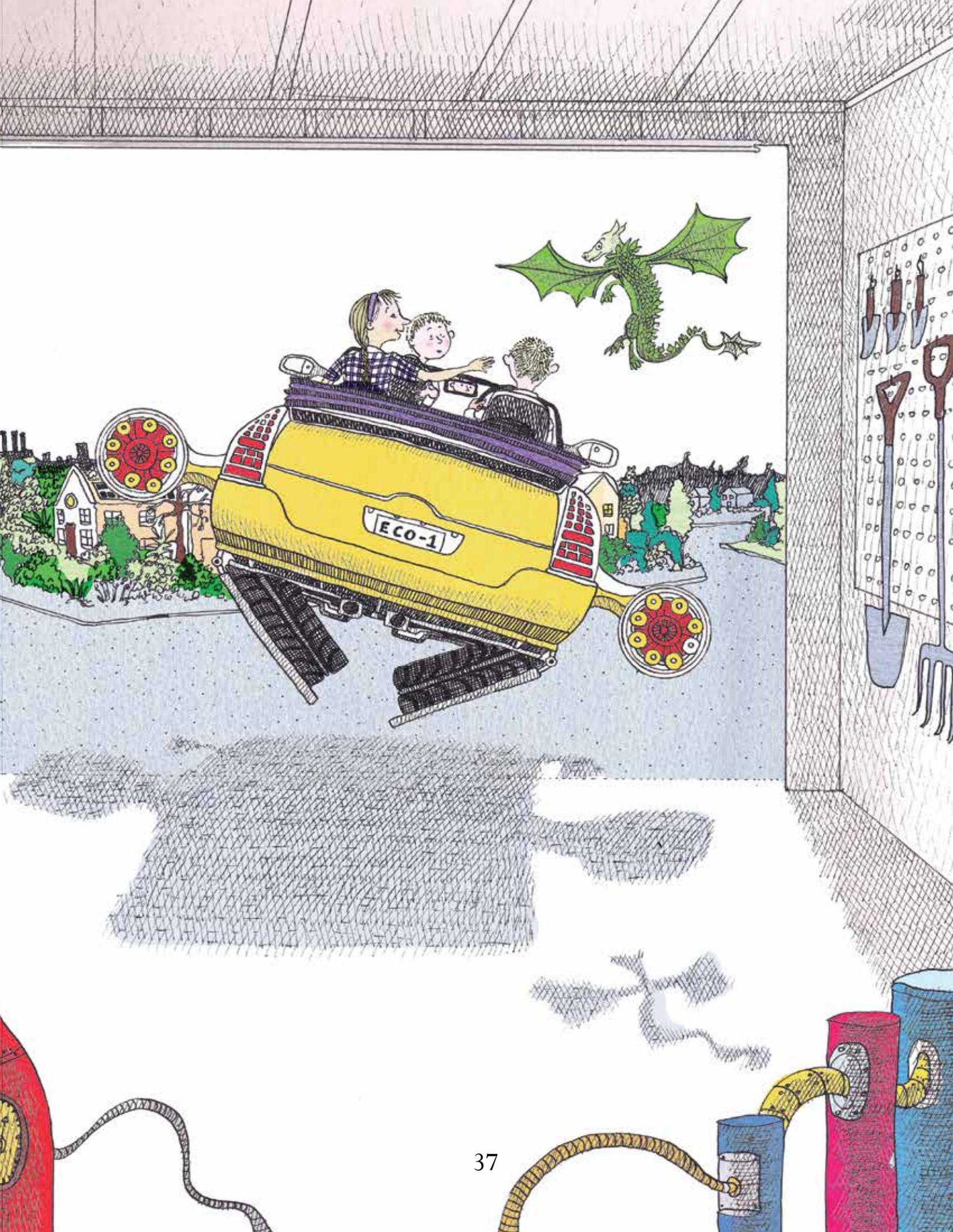


Somehow, the motorway outside their home was all blocked up! And the factories and rubbish tips nearby were disappearing!

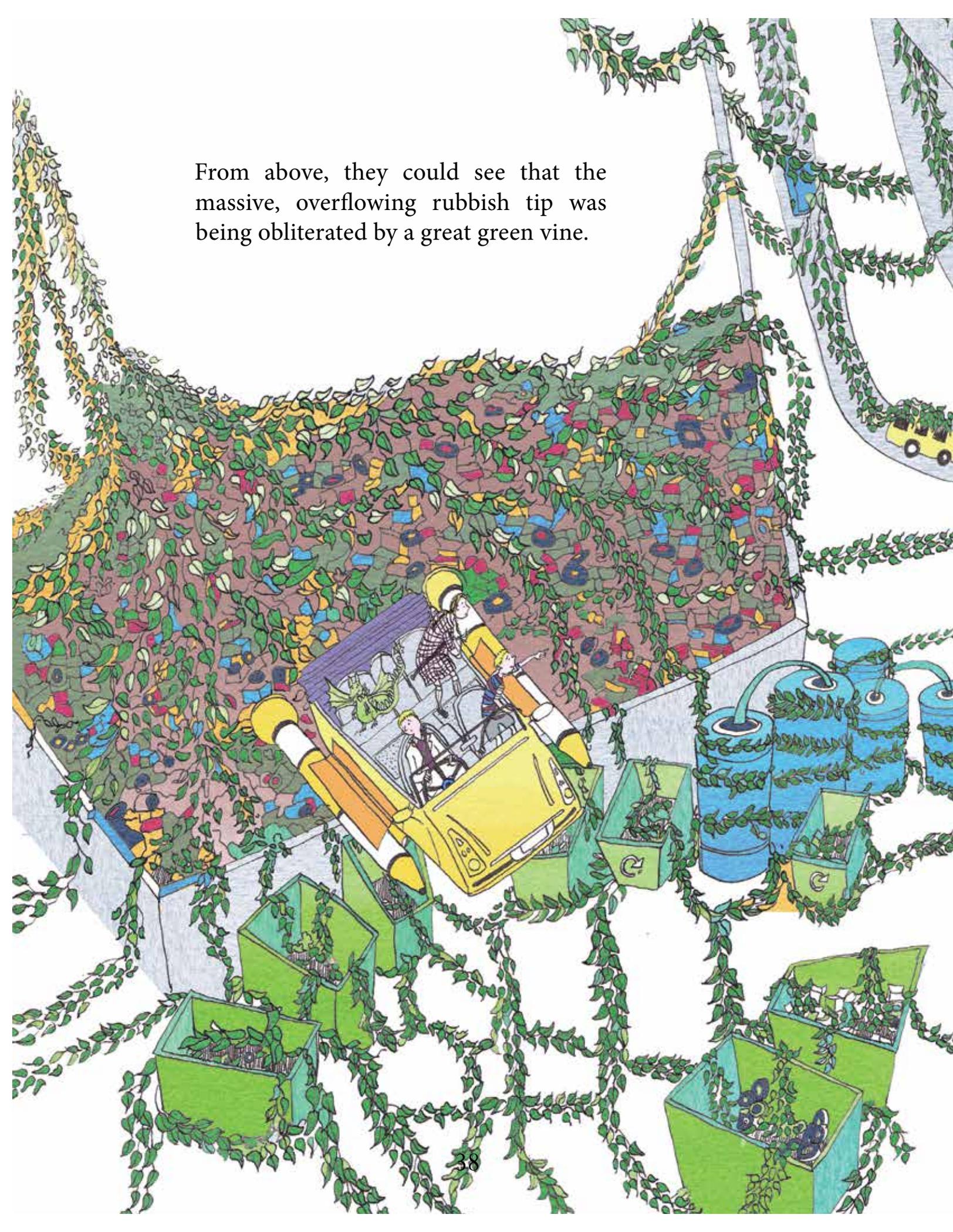


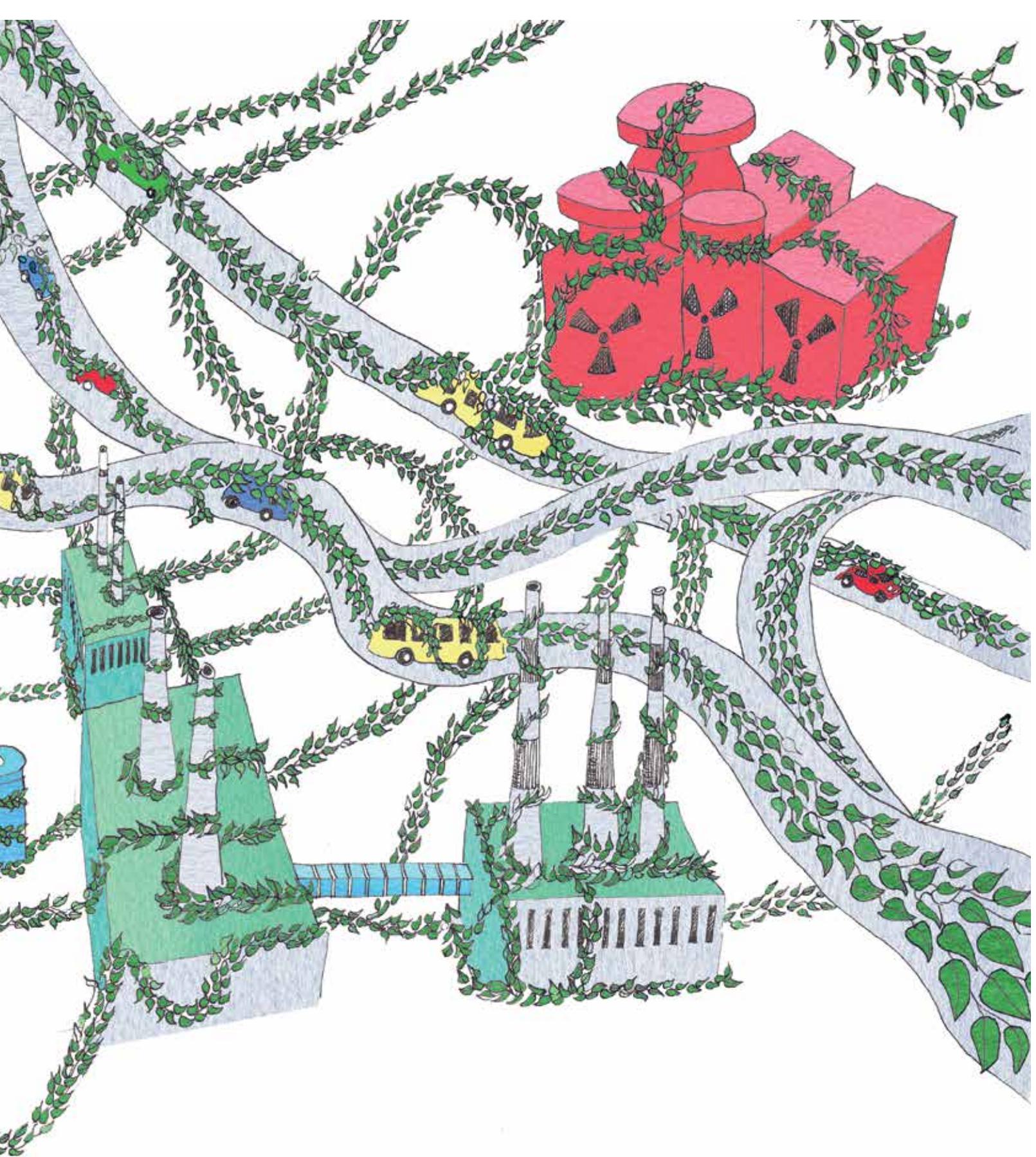
Quickly, they rushed to their family hybrid car and the Inventor Boy pressed 'flight mode'.

The car took off in the air, with the little brother and his new friend buckled safely into the car seats.



From above, they could see that the massive, overflowing rubbish tip was being obliterated by a great green vine.

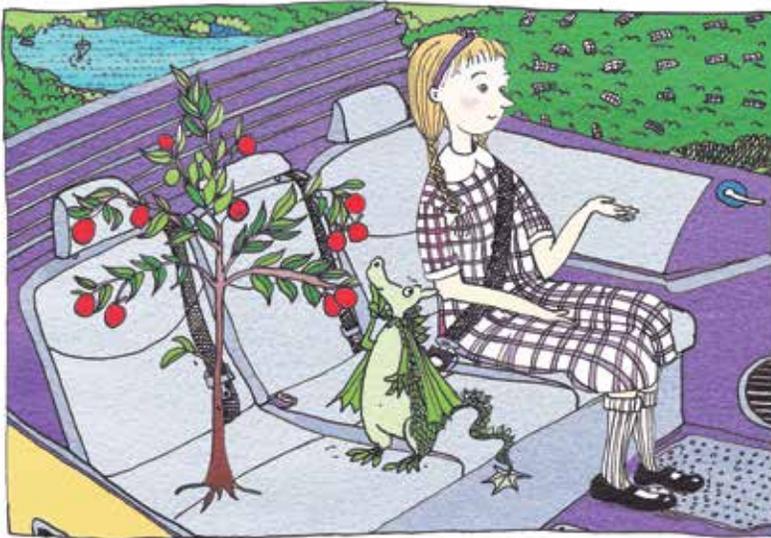
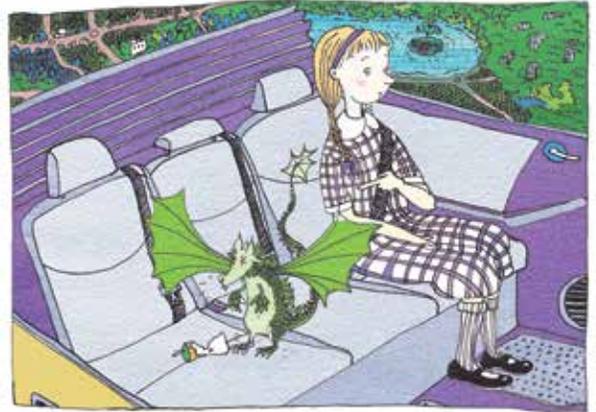




And it was still growing! It was spreading across the land, munching up polluting factories, rubbish bins, motorways and even nuclear waste facilities.

‘The vine is from my botany project!’, said the Inventor Boy. ‘It wasn’t complete! How did this happen?’

The new girl pointed to the little green plant dragon, who sneezed again, onto an apple core left on the back seat.

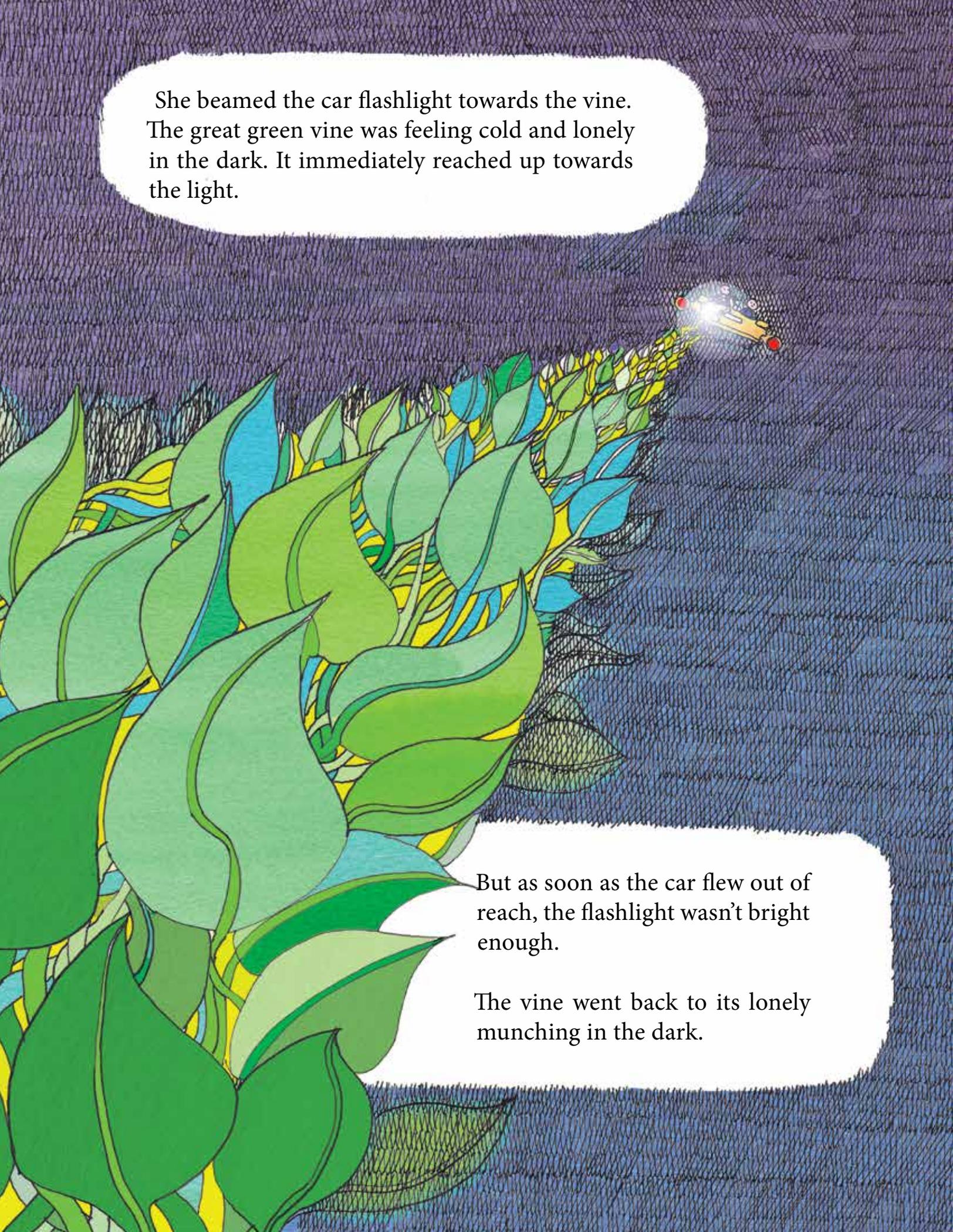


The apple core sprouted into an apple tree seedling.

‘Oh no!’, said the Inventor Boy. ‘This vine was meant to help clean up the environment and solve the rubbish problem. Not to munch up civilisation! But now it is growing totally enormous and out of control, eating up everything! We have to stop it and save the town!’

They tried shouting instructions to the Great Green Vine, but because vines have no ears, it could not hear them. It just kept growing.

As the sky grew dark, the new girl (who knew what it was like not to hear) had a brilliant idea.

The illustration features a large, vibrant green vine with broad, pointed leaves in the lower-left foreground. The vine's stem is yellow and blue, and it extends upwards and to the right. At the end of the vine, a small, yellow car with a bright white flashlight beam is visible. The background is a dark, textured blue, suggesting a night sky or a dark forest. The overall style is reminiscent of a children's book illustration.

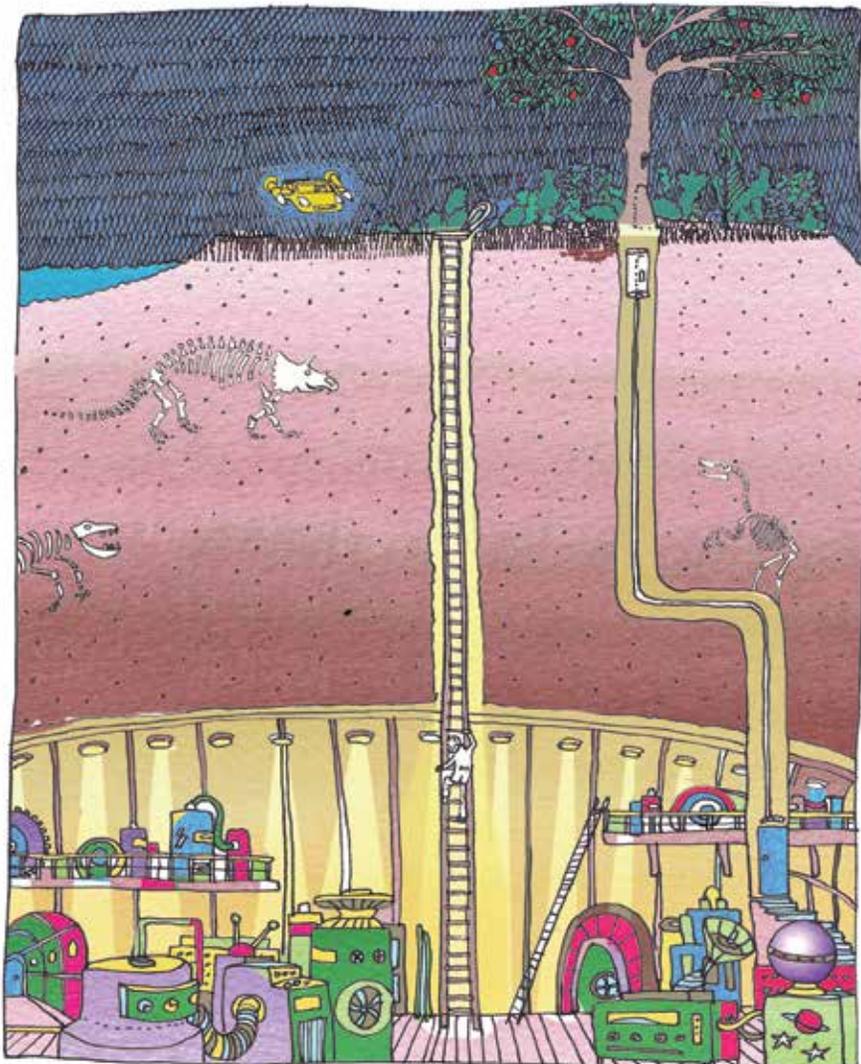
She beamed the car flashlight towards the vine.  
The great green vine was feeling cold and lonely  
in the dark. It immediately reached up towards  
the light.

But as soon as the car flew out of  
reach, the flashlight wasn't bright  
enough.

The vine went back to its lonely  
munching in the dark.

‘There is only one solution,’ thought the Inventor Boy. Quickly, he flew the car to the island in the middle of the lake, and landed next to the trap door.

The Inventor Boy jumped out and raced down to his secret laboratory under the lake.

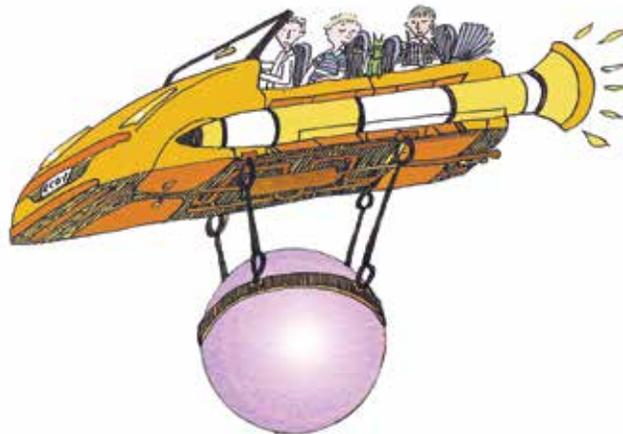


He appeared a moment later, carrying one of his largest gas fuel cell inventions.

The globe was all charged up with energy from nebula gas that had been collected by satellite from the universe. It was beaming warm purple light in all directions!

# chapter 5

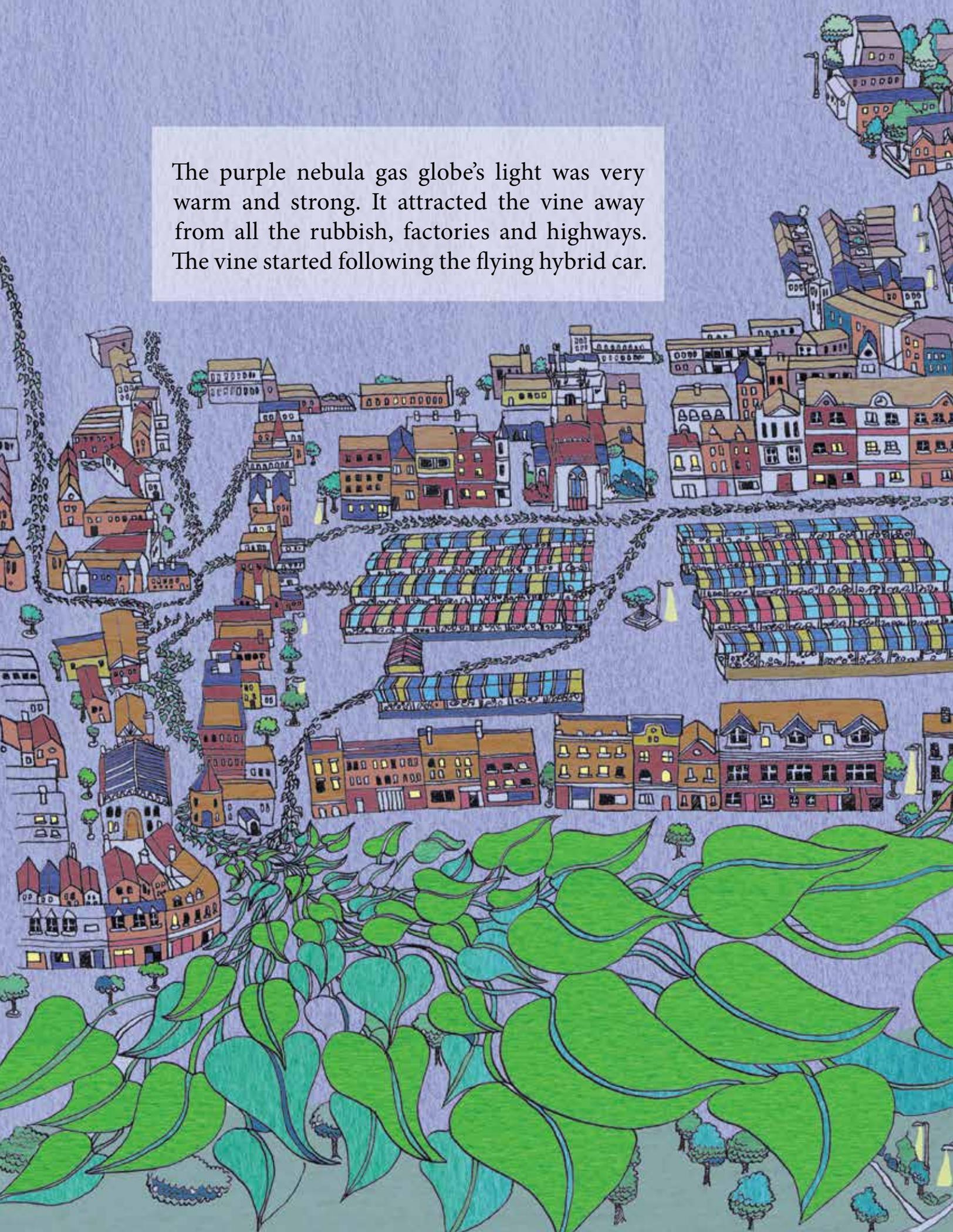
The boys' new friend laughed when she saw the globe because the amazing gas fuel cell was the same purple as the special colour of their Terribly Good School!



They hung the globe carefully from special brackets on the flying hybrid car and took off again.

The light beam shone down as they flew above the dark town.

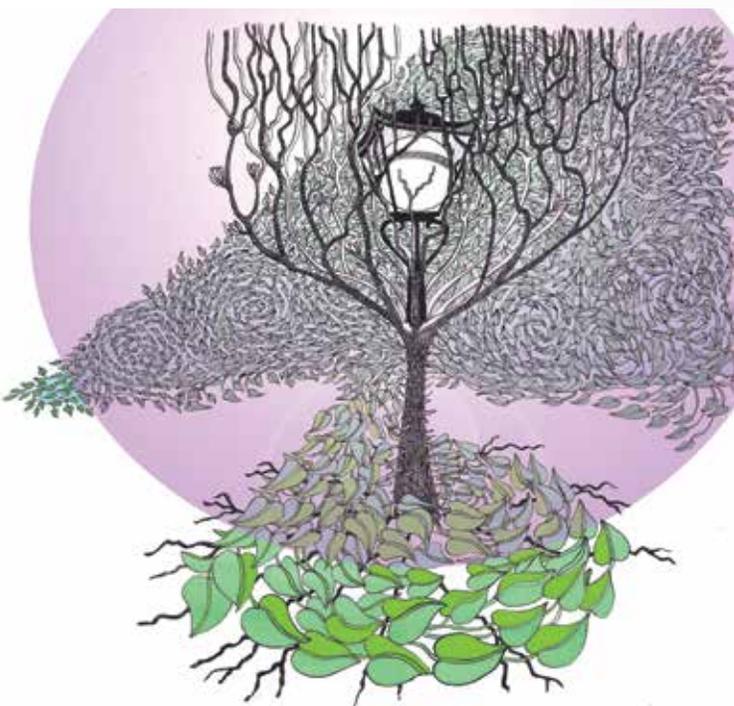
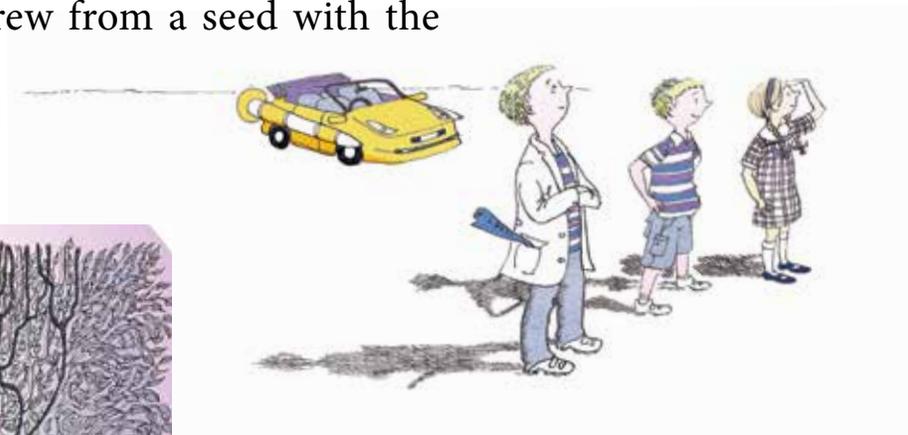
The purple nebula gas globe's light was very warm and strong. It attracted the vine away from all the rubbish, factories and highways. The vine started following the flying hybrid car.





Soon they were back in the countryside, across from the boys' lake.

They lowered the nebula gas globe into the field near the lake. They attached their special brackets in a lantern-tree that the Inventor Boy grew from a seed with the plant dragon's help.



The great green vine surrounded the glowing globe, purring. It created a new forest.

JEPRINT NOTES

BLUEPRINT NOTES

BLUEPRINT NOTES

BLUEPRINT NOTES

### LANTERN TREE (*Ceiba illuminatus*)

1. Grows iron lantern brackets to hold Nebula Gas globe
2. Tough fire-resistant trunk with sharp spines, and stable buttressed roots
3. Night-blooming flowers to attract protective fruit bats
4. Hybrid of Black Ironwood, Hemlock, and Kapok trees

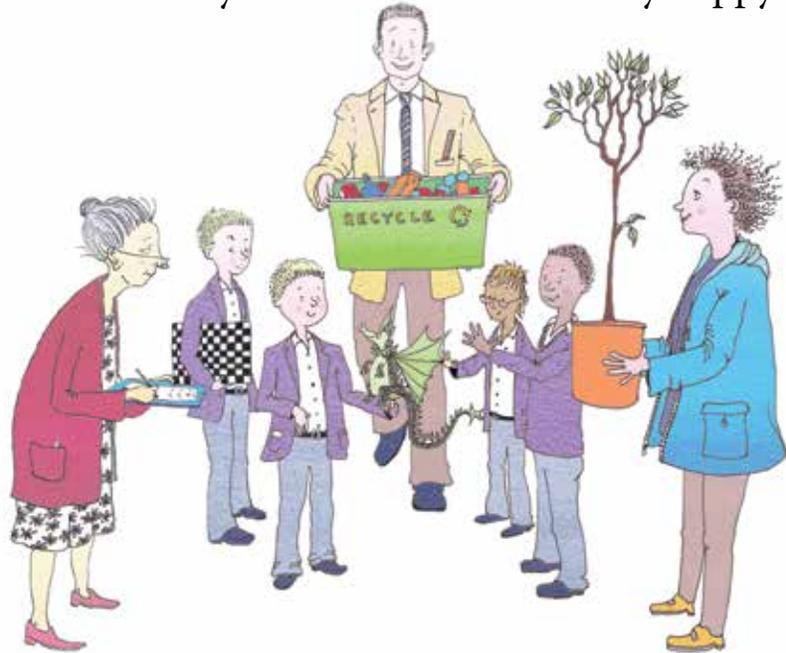
EYES ONLY

The Inventor Boy, his little brother and their new friend had saved the town! They were heroes!

When they went back to school the next day their friends were really happy.

Everyone in the school decided to re-use everything they could and to recycle all their rubbish more carefully.

This way, the garbage problem would never be so bad again.



The overflowing rubbish was all gone. So was the great green vine, which had made everyone a bit nervous.



And the old, polluting factories were never rebuilt because new solar power stations were set up instead, in carefully chosen locations that did not cover up green land.

The Inventor Boy's botanical discoveries were shared with the Royal Botanical Gardens and with biology laboratories across the world.

To thank her for all her help, the Inventor Boy gave the little brother's friend her very own dragon plant — a purple one!



The little brother's class, who had realised that the new girl was kind and had really good ideas, all decided to learn sign language immediately. This way, they could understand their new friend better and make sure that all the children in their class were always fully included and welcome.

*The End (for now)*



## about the author

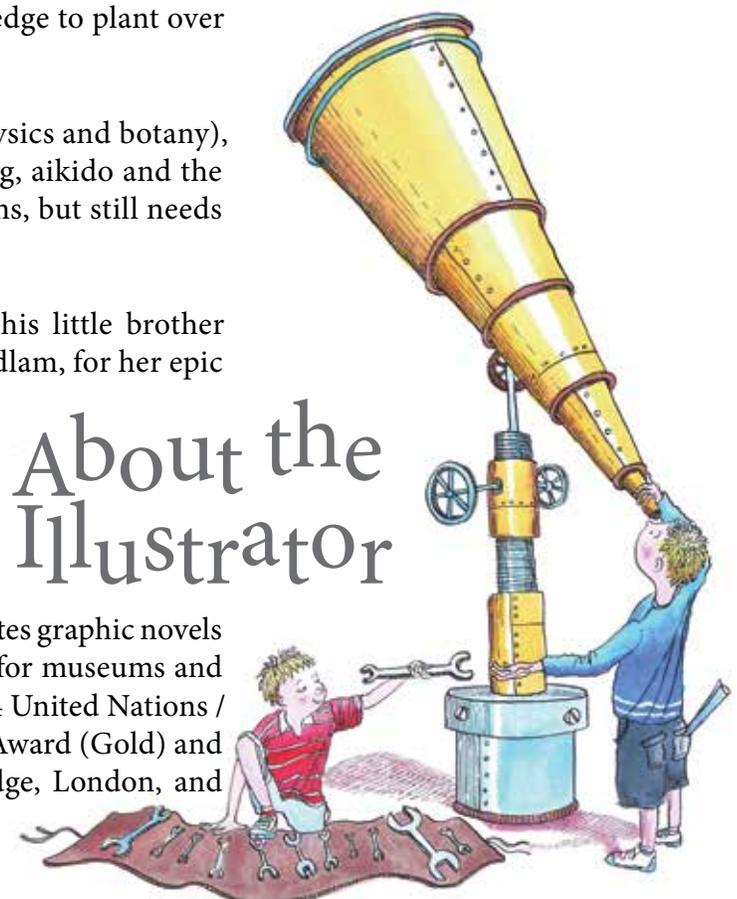
Jona David (11) lives in Cambridge, UK and studies in King's College School. He is a citizen of UK, Canada, Switzerland and Germany, and has authored several books about the Inventor Boy and his Little Brother.

A Child Delegate to the 2012 UN Conference on Sustainable Development, he holds a medal and second place worldwide trophy from the TSL International Schools Debates and Essay Competition on Sustainable Living, a Gold UK Primary Maths Competition Award, and King's College School Academic and the Global Education prizes, among other awards. A speaker on eco-science and technology education for kids, he is also Climate Justice Ambassador, having made a UNEP Billion Trees Future Generations pledge to plant over 1000 trees across the world.

Jona enjoys maths and science (especially astro-physics and botany), as well as chess, reading, polo, swimming, canoeing, aikido and the flute. He loves creating blueprints for eco-inventions, but still needs to figure out how to build them.

He thanks his mother and father and especially his little brother Nico for all their inspiration and help, and Carol Adlam, for her epic drawings.

Carol Adlam is a UK based artist, who draws and writes graphic novels and children's books. She also makes reportage art for museums and heritage organisations. She is the winner of the 2014 United Nations / World Future Council Children's Book Illustration Award (Gold) and her work has been exhibited in Bologna, Cambridge, London, and Nottingham. Further information is available at [www.caroladlam.co.uk](http://www.caroladlam.co.uk).



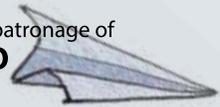


Voices of Future Generations Children's Book Series



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## Thanks and Inspiring Resources

### **'Voices of Future Generations' International Commission**

Warmest thanks to the International Commission, launched in 2014 by His Excellency Judge CG Weeramantry, UNESCO Peace Education Research Award Laureate, which supports, guides and profiles this new series of Children's Books Series, including Ms Alexandra Wandel (WFC), Dr Marie-Claire Cordonier Segger (CISDL), Dr Kristiann Allen (New Zealand), Ms Irina Bokova (UNESCO), Mr Karl Hansen (Trust for Sustainable Living), Ms Emma Hopkin (UK), Dr Ying-Shih Hsieh (EQPF), Dr Maria Leichner-Reynal (Uruguay), Ms Melinda Manuel (PNG), Ms Julia Marton-Lefevre (IUCN), Dr James Moody (Australia), Ms Anna Oposa (The Philippines), Professor Kirsten Sandberg (UN CRC Chair), Ms Patricia Chaves (UN DSD), Dr Marcel Szabo (Hungary), Dr Christina Voigt (Norway), Ms Gabrielle Sacconaghi-Bacon (Moore Foundation), Ms Marcela Orvañanos de Rovzar (UNICEF Mexico) and others.

**The World Future Council** consists of 50 eminent global changemakers from across the globe. Together, they work to pass on a healthy planet and just societies to our children and grandchildren. ([www.worldfuturecouncil.org](http://www.worldfuturecouncil.org))

**United Nations Education, Science and Culture Organization (UNESCO)** which celebrates its 70th Anniversary throughout 2015, strives to build networks among nations that enable humanity's moral and intellectual solidarity by mobilizing for education, building intercultural understanding, pursuing scientific cooperation, and protecting freedom of expression. ([en.unesco.org](http://en.unesco.org))

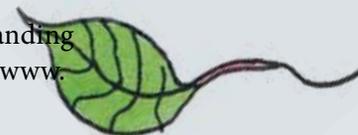
The **United Nations Committee on the Rights of the Child (CRC)** is the body of 18 independent experts that monitors implementation of the Convention on the Rights of the Child, and its three Optional Protocols, by its State parties. ([www.ohchr.org](http://www.ohchr.org))

**United Nations Environment Programme (UNEP)** provides leadership and encourages partnership in caring for the environment by inspiring, informing, and enabling nations and peoples to improve their quality of life without compromising that of future generations. ([www.unep.org](http://www.unep.org))

**International Union for the Conservation of Nature (IUCN)** envisions a just world that values and conserves nature, working to conserve the integrity and diversity of nature and to ensure that any use of natural resources is equitable and ecologically sustainable. ([www.iucn.org](http://www.iucn.org))

**Centre for International Sustainable Development Law (CISDL)** supports understanding, development and implementation of law for sustainable development by leading legal research through scholarship and dialogue, and facilitating legal education through teaching and capacity-building. ([www.cisdsl.org](http://www.cisdsl.org))

**Trust for Sustainable Living** and its Living Rainforest Centre exist to further the understanding of sustainable living in the United Kingdom and abroad through high-quality education. ([www.livingrainforest.org](http://www.livingrainforest.org))



**Environmental Quality Protection Foundation (EQPF)** established in 1984 is the premier ENGO in Taiwan. Implementing environmental education, tree plantation, and international participation through coordinating transdisciplinarity resources to push forward environmental and sustainable development in our time.



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## About the 'Voices of Future Generations' Series

To celebrate the 25th Anniversary of the United Nations Convention on the Rights of the Child, the Voices of Future Generations Children's Book Series, led by the United Nations and a consortium of educational charities including the World Future Council (WFC), the Centre for International Sustainable Development Law (CISDL), the Environmental Quality Protection Foundation (EQPF), the Fundacion Ecos and the Trust for Sustainable Living (TSL) among others, also the Future Generations Commissioners of several countries, and international leaders from the UN Division for Sustainable Development, the UN Committee on the Rights of the Child, the UN Education, Science and Culture Organisation (UNESCO), the International Union for the Conservation of Nature (IUCN), and other international organizations, has launched the new Voices of Future Generations Series of Children's Books.

Every year we feature stories from our selected group of child authors, inspired by the outcomes of the Earth Summit, the Rio+20 United Nations Conference on Sustainable Development (UNCSD) and the world's Sustainable Development Goals, and by the Convention on the Rights of the Child (CRC) itself. Our junior authors, ages 8-12, are concerned about future justice, poverty, the global environment, education and children's rights. Accompanied by illustrations, each book profiles creative, interesting and adventurous ideas for creating a just and greener future, in the context of children's interests and lives.

We aim to publish the books internationally in ten languages, raising the voices of future generations and spread their messages for a fair and sustainable tomorrow among their peers and adults, worldwide. We welcome you to join us in support of this inspiring partnership, at [www.vofg.org](http://www.vofg.org).

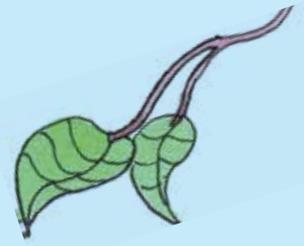


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## The United Nations Convention on the Rights of the Child

All children are holders of important human rights. Twenty-five years ago in 1989, over a hundred countries agreed a UN Convention on the Rights of the Child. In the most important human rights treaty in history, they promised to protect and promote all children's equal rights, which are connected and equally important.

In the 54 Articles of the Convention, countries make solemn promises to defend children's needs and dreams. They recognize the role of children in realizing their rights, being heard and involved in decisions. Especially, Article 24 and Article 27 defend children's rights to safe drinking water, good food, a clean and safe environment, health, quality of life. And Article 29 recognizes children's rights to education that develops personality, talents and potential, respecting human rights and the natural environment.

— *Dr. Alexandra Wandel*  
World Future Council

## The UN Sustainable Development Goals

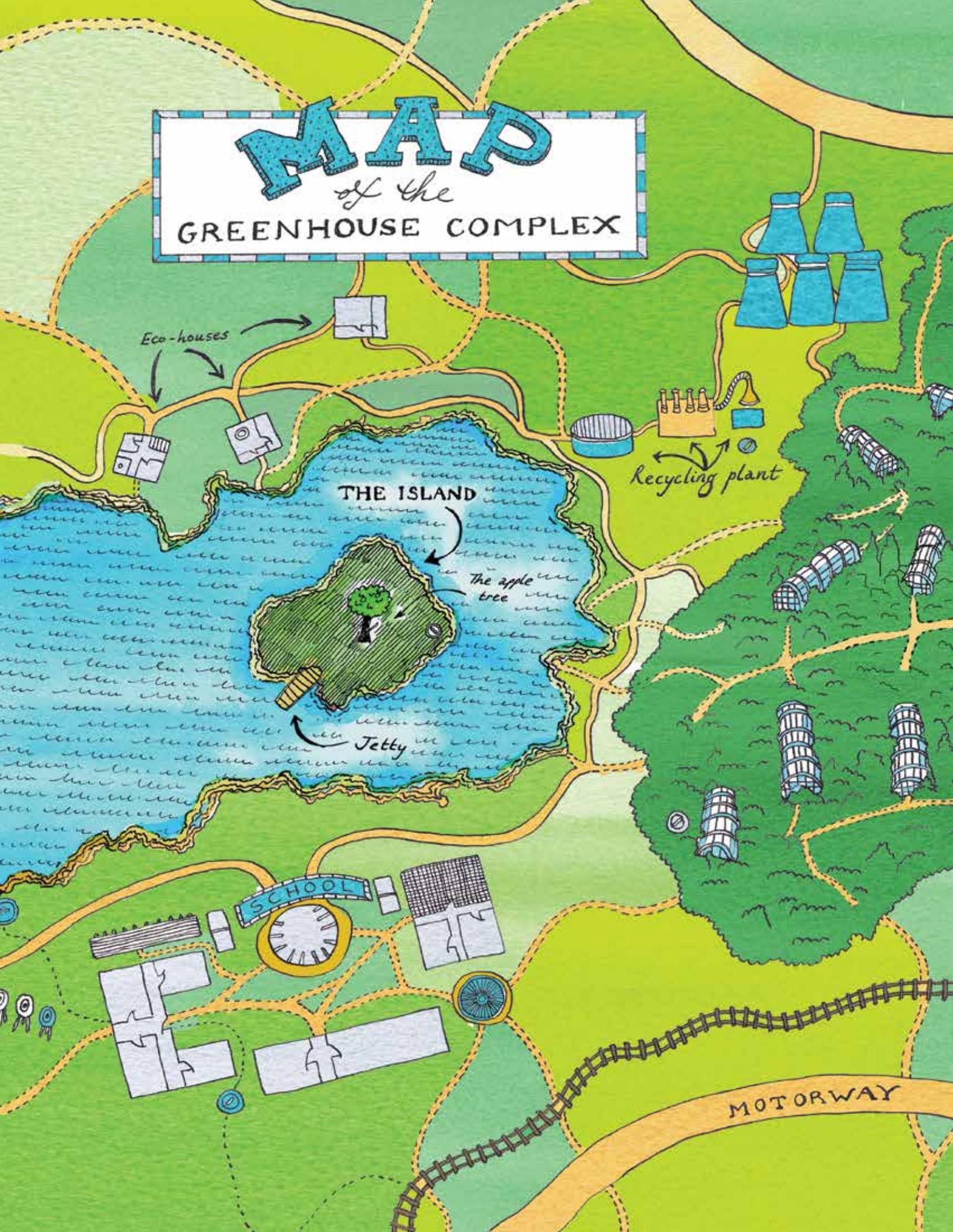
At the United Nations Rio+20 Conference on Sustainable Development in 2012, governments and people came together to find pathways for a safer, more fair, and greener world for all. Everyone agreed to take new action to end poverty, stop environmental problems, and build bridges to a more just future. In 283 paragraphs of *The Future We Want* Declaration, countries committed to defend human rights, steward resources, fight climate change and pollution, protect animals, plants and biodiversity, and look after oceans, mountains, wetlands and other special places.

In the United Nations, countries are committing to 17 new Sustainable Development Goals for the whole world, with targets for real actions on the ground. Clubs, governments, firms, schools and children have started over a thousand partnerships, and mobilized billions, to deliver. The future we want exists in the hearts and minds of our generation, and in the hands of us all.

— *Vuyelwa Kuuya*  
Centre for International Sustainable Development Law (CISDL)



# MAP of the GREENHOUSE COMPLEX



Eco-houses

THE ISLAND

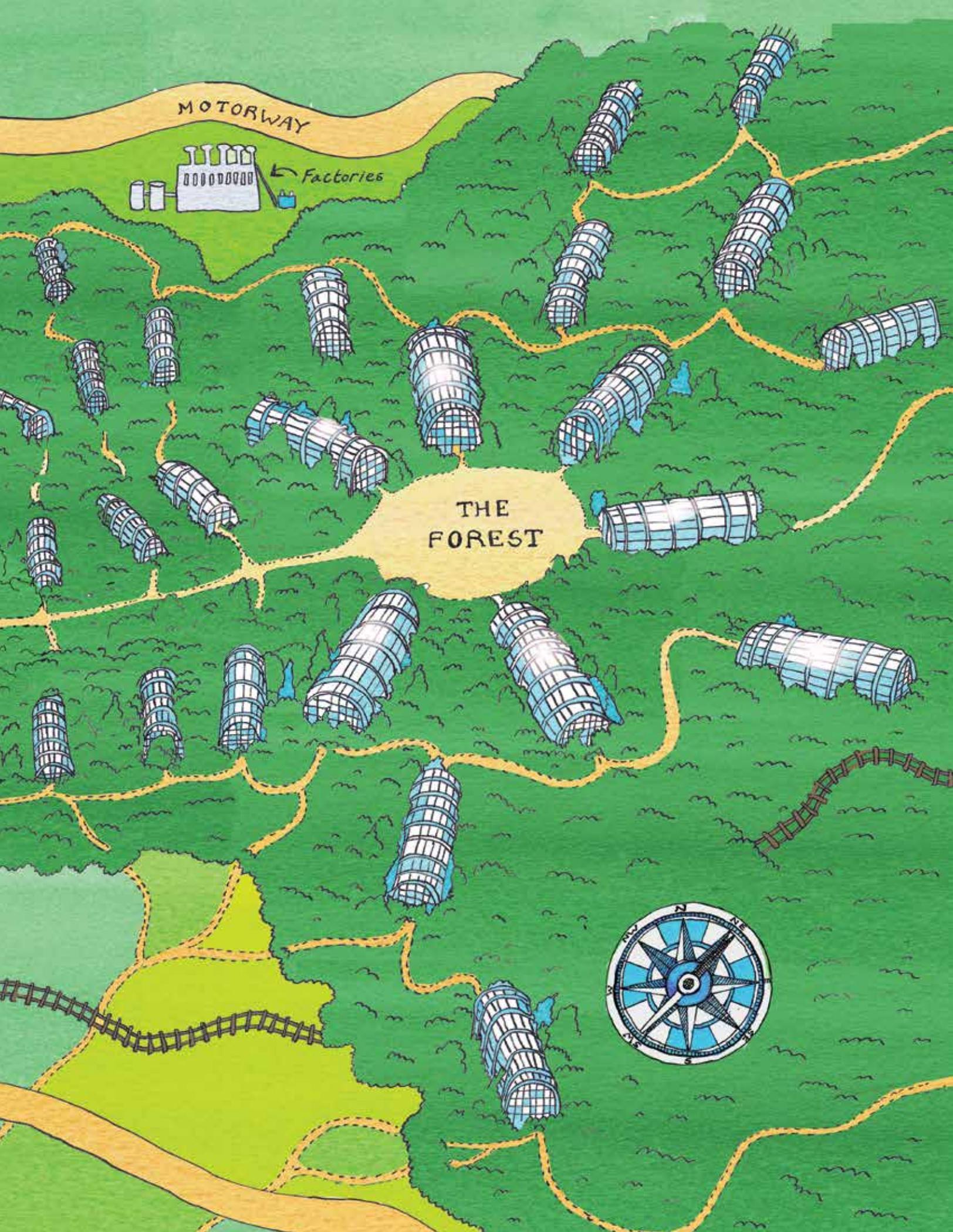
The apple tree

Jetty

Recycling plant

SCHOOL

MOTORWAY



MOTORWAY

Factories

THE FOREST





“With light-hearted whimsy, a big dose of magical thinking, a clear fascination for biodiversity and a fresh hopeful view of the world, this child author and his stories continue to inspire us all. I commend this book and the Series to all.”

*Dr Braulio Ferreira de Souza Dias*  
*Executive Secretary, Convention on Biological Diversity (CBD)*

“This Child Author won a primary schools trophy in our global essay competition for his epic vision of the future of sustainability education. His new volume helps us all to rethink our relationship with nature – well done!”

*Karl Hansen*  
*Director, Trust for Sustainable Living and The Living Rainforest, UK*

“This creative story engages us all in considering the science and magic of forests and landscapes, and the value of new knowledge carefully applied. It is a brilliant story that can spread awareness and hope and a charming read for children!”

*Dr Peter Holmgren*  
*Director-General, Centre for International Forestry Research (CIFOR)*

**UNESCO Voices of Future Generations | Children’s Book Series 2**  
**The Great Green Vine Invention | 2**



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