

#### For Freddie and Harvey - A.H.



For my beloved Matik, the best companion on life's adventure - **P.M.** 



#### A TEMPLAR BOOK

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# AGAINST THE ODDS



Alastair Humphreys Illustrated by Pola Mai



# MEET THE ADVENTURERS



ALASTAIR HUMPHREYS: P.8 A National Geographic Adventurer of the Year, and also the author of this book!



THE VAN BURENS: P.50 An explorer who undertook Sisters who rode motorbidies across many Arctic expeditions. America to show what could be done.



ZHENG HE: P.54 A mariner and erplorer who commanded the great treasure voyages



JEANNE BARET: P10 Travelled around the world in disguise.



GÖRAN KROPP: P.14 Cycled from his home to Everest then divided the mourdain.



ROBERT SMALLS: P.18 Commanded a warship in a heroic bid for freedom.



BERNARD MOITESSIER: P.58 Around-the-world sailor who realised that winning is not everything



JUANITA HARRISON: P.62 A curious, food-bring book-writing world traveller.



FRANK WILD: P.66 A polar explorer and an inspiring leader



JACK SWIGERT: P.22 An astronaut who narrowly escaped disaster



MARIANNE DU TOIT: P.26 Travelled by horse from South America to New York City



TERRY FOX: P.30 A young runner who inspired a nation.



SYLVIA EARLE: P.70 An ocean-loving scientist and compaigner



JOE SIMPSON: P.74 A bold climber who faced a desperate survival struggle.



ROSIE SWALE-POPE: P.80 Embarbed on a five year running adventure around the world



JUNKO TABEI: P.34 The first woman to climb the Seven Summits



HANZELKA & ZIKMUND: P.38 Two friends living under an opporessive regime who fromtled the world



BETH FRENCH: P.42 A young girl with ME who became a long-distance open water swimmer



An electrician who turned a car into a motorbile to escape the desert.



KAREN DARKE: P.88 An adventurous cyclist and Awalympian gold medallist



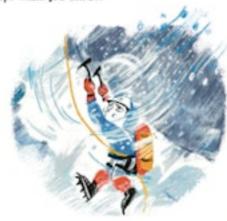
ADVENTURER UNKNOWN: P.92 This young explorer in the making with a world of opportunities before them.

# A LIFE OF ADVENTURE

Everybody lowes going on adventures. They are fun and more exciting than normal days. We get to see wild, beautiful places and enjoy being in nature. Adventures teach us about the world and ourselves.

Many of us also enjoy reading about other people's epic journeys that astound, entertain and make us dream. From their stories, we learn the importance of proper preparation, and how to succeed.

Except when you don't ....



Because sometimes adventures, like life, don't work out as you want them to do. Stuff goes wrong or takes a funny turn. Now and again, you simply fail. These things can happen for many reasons. Even well-organised, determined explorers make mistakes. Bad luck conspires against you. Or terrible weather, unforeseen events or accidents. Sometimes adventures go wrong through no fault of your own.

"So not all adventures succeed. Or at least they don't always go to plan. Because the common factor in all the stories you're about to read is that when you battle against the odds, success comes in many forms."



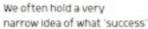


In this book, you will read of expeditions that went desperately wrong and turned into near-death struggles for survival. And from those same people, you will learn about friendship, kindness and hope.

Many other adventurers had to fight for their right to succeed in the face of discrimination or setbacks that threatened to squash their dreams. The courage, determination and positivity shown in overcoming prejudice in these stories will inspire you.



There are many adventures, too, that haven't made it into this book. Some stories are lost to time, deliberately omitted from history, or forgotten. Remember all those voices not heard and be sure to seek out your own inspiration.



means. We think that if we don't reach a certain outcome, then we've failed and wasted our time. But in these chapters, you are going to read of changed plans leading to greater happiness, of personal disaster opening the door to wonderful experiences, of the lessons learned from compromising, and even occasions when mere survival is triumph enough.

I have loved adventure for most of my life. As a child, I enjoyed camping and swimming and climbing hills. As a grown-up, I've cycled around the world, rowed across an ocean, walked across countries, and run marathons through boiling deserts. The most rewarding parts of these journeys were often when things didn't turn out as I had expected, and I was forced to use my imagination and initiative to overcome surprising challenges. This is annoying or difficult or worrying at the time. But when I look back later, from the warm comfort of my home, those memories are some of the best ones.

On your own journeys, you too will discover that you are capable of more than you realise, and that an important part of living adventurously is to keep going against the odds. I hope you find the characters in this book to be as inspiring and awesome as I do. I hope you see some of yourself in their stories, and that their challenges and achievements will encourage you to go on many brilliant adventures of your own.

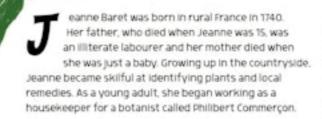


Good luck!

Alastair HumphreyS







#### A MAN IN DISGUISE

In 1766, two ships, La Boudeuse and L'Étoile, set sail under the command of explorer Louis-Antoine de Bougainville, attempting to be the first French expedition to sail around the world. Commercon was invited to join the expedition as a specialist scientist. He was unsure about accepting because he was in poor health and needed Jeanne to help him. But the offer was too good to turn down.

in those days, only men were allowed on naval expeditions, so Commerçon and Jeanne hatched a plot in which she would dress as a man - introducing herself as 'Jean' - and offer her services just before the ship set sail. This was a crazy idea: if Jeanne's secret was discovered she would be in serious trouble, or even danger. But their plan worked and they set sail. Commerçon had so much scientific equipment on board that he and 'Jean' were given a large private cabin. This helped Jeanne keep her secret from all the other men on the ship.



#### INTO THE WILDERNESS

Jeanne and Commerçon's task was to find natural resources like plants, minerals and spices that would be useful for France. When the expedition reached its first stop, Uruguay in South America, the pair headed inland to collect plants. During the long voyage, Commerçon's health got much worse, so Jeanne had to do much of the heavy work in search of discoveries. Near Rio de Janeiro, in Brazil, they discovered a wonderful pink-flowering vine. They named it Bougainvillea in honour of the expedition commander.



- flower press
- forceps
- microscope
- specimen containers
- pressed samples
- rock hammer
- pruning scissors
- art supplies







#### JEANNE BARET'S LEGACY

Jeanne married a French soldier in Mauritius, and they made their way back home to live in France. And so, about nine years after setting out in search of adventure, Jeanne became the first woman to travel around the world. Her contribution to the world of science was of great importance. The 6,000 specimens that she and Commerçon collected had been seized by the French authorities in Mauritius, but they were eventually shipped back to France. They are now housed in the National Museum of Natural History in Paris. In 1785, the French government recognised Jeanne's important contribution:

Jeanne Baret, by means of a disguise, circumnavigated the globe on one of the vessels commanded by Mr de Bougainville. She devoted herself in particular to assisting Mr de Commerçon, doctor and botanist, and shared with great courage the labours and dangers of this savant.

#### A FITTING TRIBUTE

Jeanne died in 1807 at the age of 67. There were few fitting tributes to her adventures until 2012, when scientist Eric Tepe named a new plant species in her honour, more than 200 years after her death: Solanum baretiae.

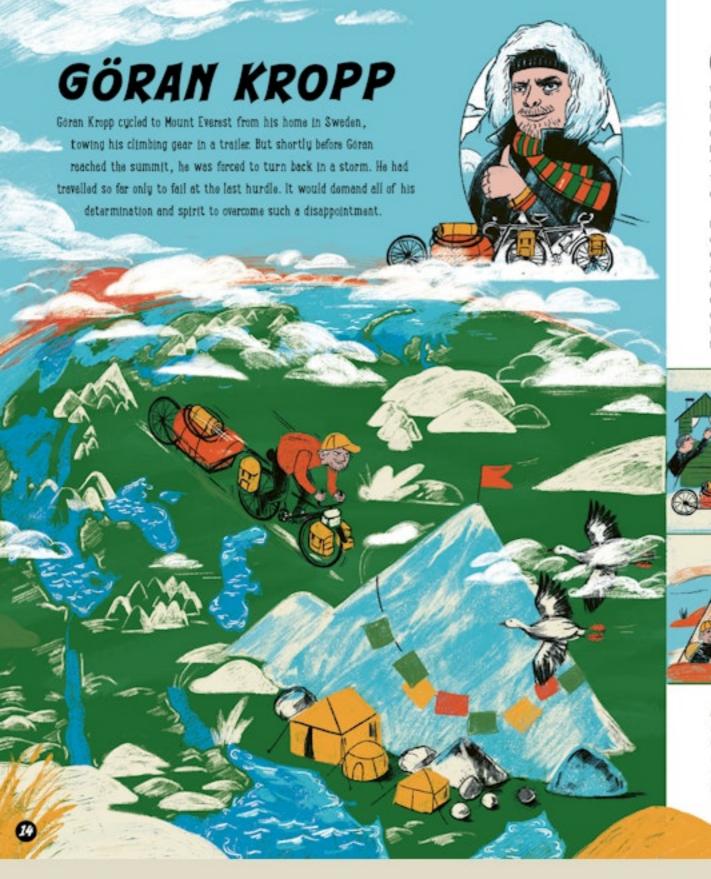


"An unwitting explorer who risked life and limb for love of botany and, in doing so, became the first woman to circumnavigate the world." — Eric Tepe

#### Why Jeanne Baret Inspired Me

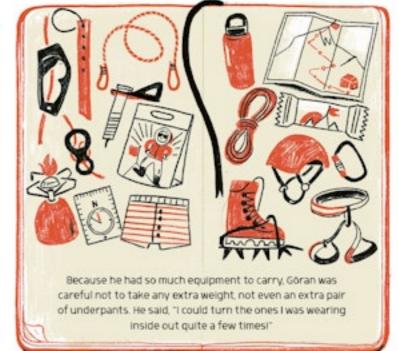
Jeanne Baret's route to an adventurous life was hard. She grew up at a time when being a woman and being poor meant staying home and working hard for little reward. She had to create her own opportunities. But with bravery, imagination, curjosity and determination, Jeanne became the first woman to sail around the world, and returned home a wealthy woman to create a new life for herself and her family.





oran Kropp had an unusual approach to adventure. He always chose the most difficult option and wanted to test himself constantly. While preparing for one of his expeditions, he lived in his tent to save money. Every night, Göran set his alarm clock to a random time. If it woke him at 1am, he got up and ran 10km. If it woke him at 5am, he ran 50km... This trained his mind and body for the challenges that awaited him.

Like many mountaineers, Göran dreamed of climbing Mount Everest. Unlike most climbers, he did not want to travel there by aeroplane. So, one October morning in 1995, Göran set off from Stockholm, Sweden, to cycle 13,000km to Mount Everest, towing over 100kg of mountaineering equipment in a trailer. Göran liked to do adventure 'the hard way'!





#### REACHING BASE CAMP

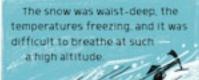
After cycling for five months, Goran packed all his gear into a gigantic rucksack and trekked to the base camp of Mount Everest. Climbers usually hire strong porters to carry their loads so that they can save energy for the mountain itself. But not Goran. This earned him the nickname the 'Crazy Swede'.

#### APPROACHING THE SUMMIT

After climbing the difficult and enormous icy slopes of Mount Everest, Göran left his tiny tent at 2am on what he hoped would be summit day.



He headed out into the windy darkness to continue climbing. By daybreak he was creeping along a narrow ridge with a massive 3,000 metre drop on either side.



Unlike most climbers, Göran wasn't using bottled oxygen to help him breathe, and he didn't use fixed ropes or have local guides, called Sherpas, to help him.



So, when turnaround time arrived – the time set to climb back down to safety – Göran had not yet reached the top. BUT he was only a hundred metres from the summit...



What would you do? If you had cycled thousands of miles, hauled huge piles of equipment, and climbed bravely alone up Mount Everest? If you were so close to succeeding at the biggest adventure of your life, what would you do?



Göran turned around.



#### TURNAROUND TIME

Many of us would not have done, I am sure. Climbers often suffer from 'summit fever', becoming so desperate to reach the top that they stop thinking sensibly. This is when disasters often occur. Turning around and descending before nightfall meant Goran would stay alive. And that was more important than a triumphant selfie on top of the world.

Goran stumbled back down the mountain to base camp, where he collapsed in exhaustion and burst into tears. He fell fast asleep before even getting into his tent.

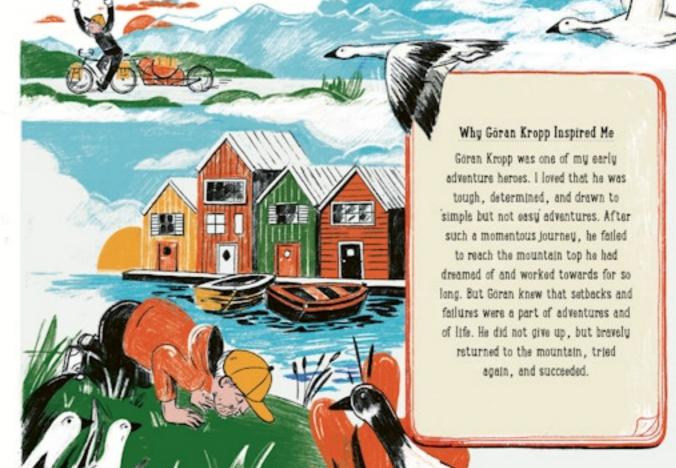


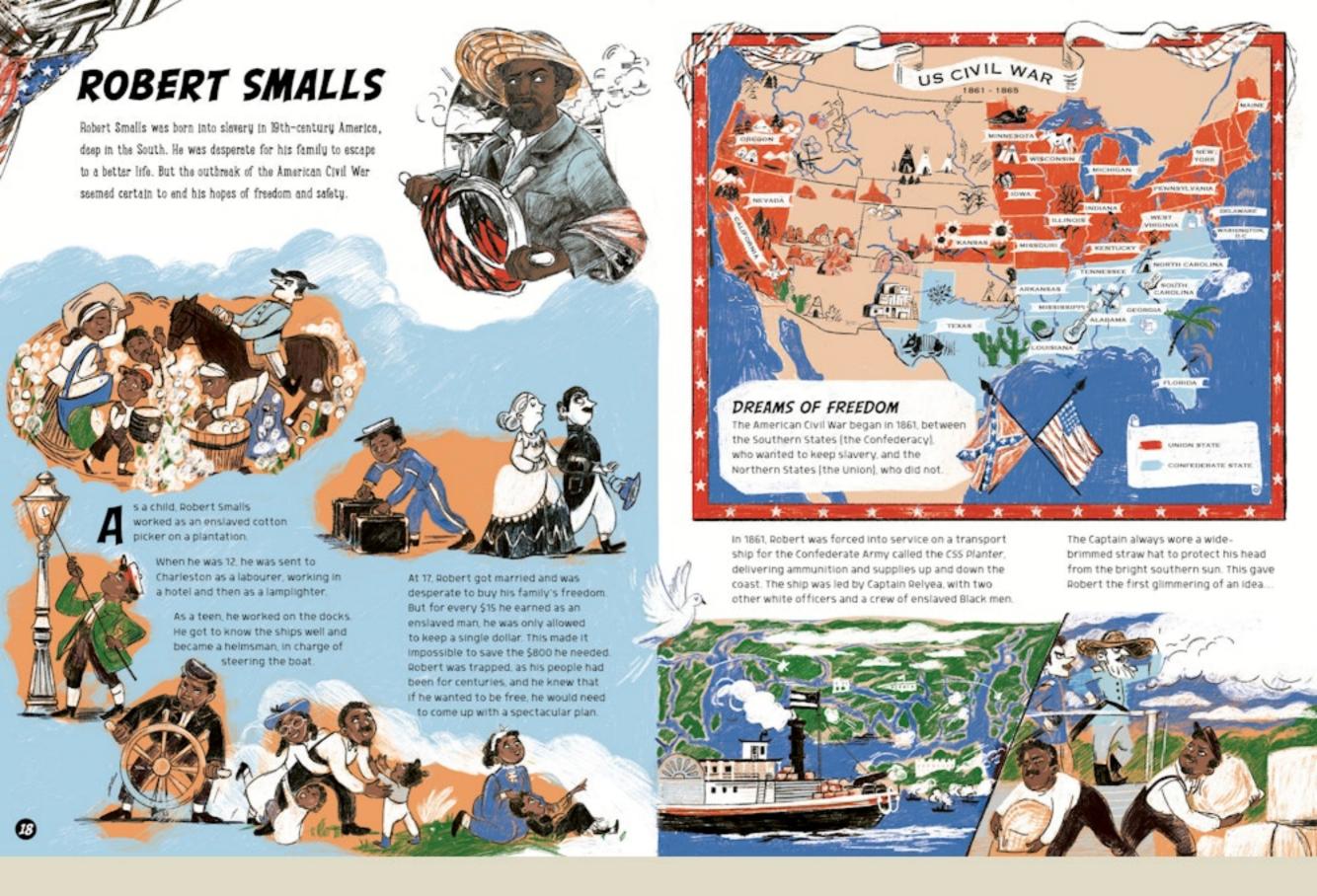
#### SUCCESS AT LAST

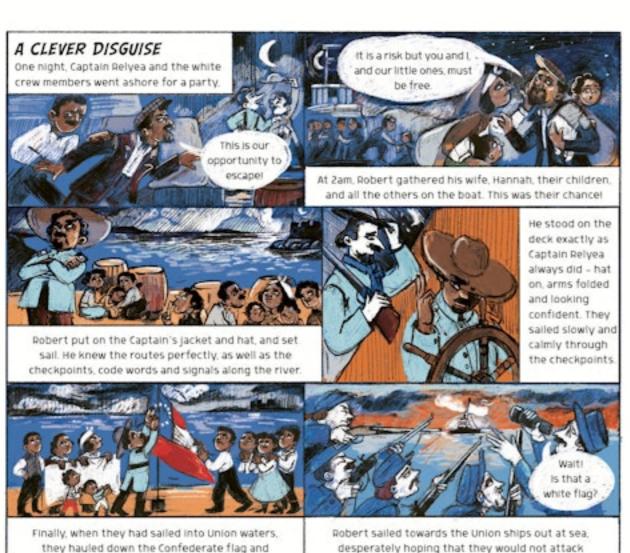
Over the next few days, a terrifying storm whipped across the mountain, the deadliest Everest had ever known, it seemed like madness that an exhausted Goran would even consider having another try. But he was a very determined adventurer and did not want to give up easily.

So, after the storm, the brave Swede headed back up the icy slopes, sunburned and with a nasty cough. Setting off at 1am, and without an oxygen mask. Göran realised he might not be thinking clearly. He tested himself over and over again, "What's three times three? What's six plus seven? Yesi I can still think..." And so he could! This time Göran was successful. He finally made it to the very highest point on the planet.

After safely descending Everest, the exhausted Göran still needed to get home. Incredibly, he cycled most of the way back to Sweden, taking only one short train ride since he wasn't allowed to pedal through Iran and part of Russia. A year to the day since leaving home, Göran kissed the ground beside Stockholm harbour.







his boat. Luckily, they noticed their flagi



raised a white bed sheet to signal peace.



of the first schools for Black children in the region. He also campaigned for laws to improve the lives of Black people in the United States.

#### Why Robert Smalls Inspired Me

Robert's seamenship, boldness and bravery won freedom for himself and his family. Despite being born in a land that declared he could be owned by another person. Robert Smalls went on to become a successful businessman and politician. campaigning tirelessly on the long battle towards racial equality in his country.



#### LIFE IN AQUARIUS

All dreams of walking on the Moon ended with the explosion. Aborting the mission and getting home before they ran out of oxygen was all that mattered now. But how were they going to do that? The crew left the damaged module and climbed through the connecting tunnel into Aquarius, the lunar module. This emergency 'lifeboat' was small, cramped and not designed for this job. The men sat in the cold darkness, thinking desperately.



#### TEAMWORK MAKES THE DREAM WORK

Down on Earth, the scientists and experts in Mission Control leaped into action. Time was precious and they had to come up with a plan – quickly – that might have a chance of saving the astronauts' lives.

The biggest problem was that Aquarius only carried enough oxygen for the Moon landing. It would last two men for two days. But it would take longer than that for the crew to get back to Earth, and there were now three men needing fresh air to breathe.



# SOME The solution and image team, odd it was second to we thought astronal a way to into a rehosepip bands to school spacecri

#### SOMETHING OUT OF NOTHING

The solution required a lot of fast thinking and imagination from all the Apollo 13 team. Odyssey had an air purifier but it was square and they needed a round one to work in Aquarius. The engineers thought about every single item the astronauts had up in space and invented a way to make a square canister fit into a round hole. The astronauts used hosepipe, tape, plastic bags and rubber bands to build it. It looked more like a school art project than million-dollar spacecraft technology, but it worked:

#### GET ME OUTTA HERE

Now that the astronauts had enough air to breathe, the scientists tried to figure out how to blast the spacecraft back towards Earth with its damaged engines. They decided to use the booster rockets on Aquarius to change their course slightly and then slingshot the astronauts round the back of the Moon. The astronauts had to fire their engines for exactly the right length of time when they reached precisely the right location. Any mistakes and the returning spacecraft would miss Earth altogether...

#### HOME SWEET HOME

in the final few hours of the mission, the astronauts climbed back into the command module Odyssey. Its heatproof shield protected the module as it re-entered the Earth's atmosphere. As millions of people watched the drama unfold on TV, the spacecraft splashed down safely in the Pacific Ocean close to the rescue ship that had been sent to collect them.

Fellows.

we're home

"Our mission was a failure but I like to think it was a successful failure."

— Jim Lovell

#### Why Jack Swigert Inspired Me

Before the mission, the only success the astronauts imagined was landing on the Moon. But the explosion on the spacecraft changed everything. Success now meant returning safely to Earth. Indeed, far from being a failure, many who worked at NASA consider the Apollo 15 mission to be one of their proudest achievements.





But you can't even ride a horse. WHERE TO THERE'S IN Not only did to

I like to do my own thing.
I've always wanted to do a
Journey that's a little bit out
of the ordinary... I've been
dreaming of doing something

on horseback.

Marianne had made up her mind.

She secured sponsorship for
the trip and decided to use her
journey to raise money in support
of therapeutic riding facilities
in ireland where she lived.

#### WHERE THERE'S A WILL, THERE'S A WAY

Not only did Marianne have little experience of horses, she didn't speak Spanish or know much about the continent she was planning to ride through alone. When she told her dad about her idea, he told her she was ill-equipped to take on such a mammoth expedition.

#### MEET MISE AND TUSA

With her new horses, Mise and Tusa, by her side, Marianne set off from Buenos Aires in June 2002. She quickly learned that travelling by horse was slow and hard work. The conditions were tough: the flerce heat was exhausting, the roads wore down the horses' shoes and flies tormented Mise and Tusa. At the end of each day, when all Marianne wanted to do was fall asleep, she first had to take care of the horses, arranging their food and shelter before her own.













# ALL TOGETHER NOW

Terry persevered through many challenges - dangerous roads, gale-force winds, heavy rain and even a snowstorm. His prosthetic leg caused blisters and bruises, and he was often running from 4.30am until 7pm. To save money, he slept in a van on the roadside. But as his story spread across Canada, more and more people reached out to help.

JUNE

Terry was a third of the way through his journey when a luxury hotel company offered Terry free food and accommodation at all their hotels. They also pledged \$2/ mile, encouraging thousands of others to do the same.



The city of Ontario welcomed Terry with a brass band and a cheering crowd.

JUNE 28



He was even the guest of honour at a Canadian football match.

Terry met one of his heroes, the famous ice hockey player Bobby Orr, who donated a whopping \$25,000.

JULY 1980

"I went to the Ottowa-Sasliatchewan football game where I liched off the opening ball to a standing ovation.



Today was a long humid day I felt very wokkly and weary. I managed to make it b miles past Parry Sound It was great running through here We met the Orrs and went to their house and saw Bobby's trophies. They gave me Bobby's Conada Cup jersey which is unbelievable."



#### A NATIONAL HERO

Terry's run was not in vain. He became a national hero in Canada, with many buildings and streets named after him and statues remembering his legacy. Even today, four decades after his untimely death, annual Terry Fox runs and events are held across Canada, inspiring people to challenge themselves, get fit and raise



Unfortunately, on 1 September, at Thunder Bay, Ontario, 143 days and 5,373km from his starting point, Terry was forced to end his run. His cancer had returned, only this time it had spread to his lungs. Understanding there was no way he could continue, Terry asked his friend Doug to drive him to the hospital, where he sadly died a few months later.

> "Dreams are made possible if you try." - Terry Fox



#### Why Terry Fox Inspired Me

Terry dearly wanted to complete his run, even if he had to "crewl every last mile". But sometimes things don't work out as we plan, no matter how determined we are. Although Terry did not complete his Marathon of Hope, he accomplished something far greater His efforts continue to inspire people all over the world, and the Terry Fox Foundation has raised over \$850 million dollars.





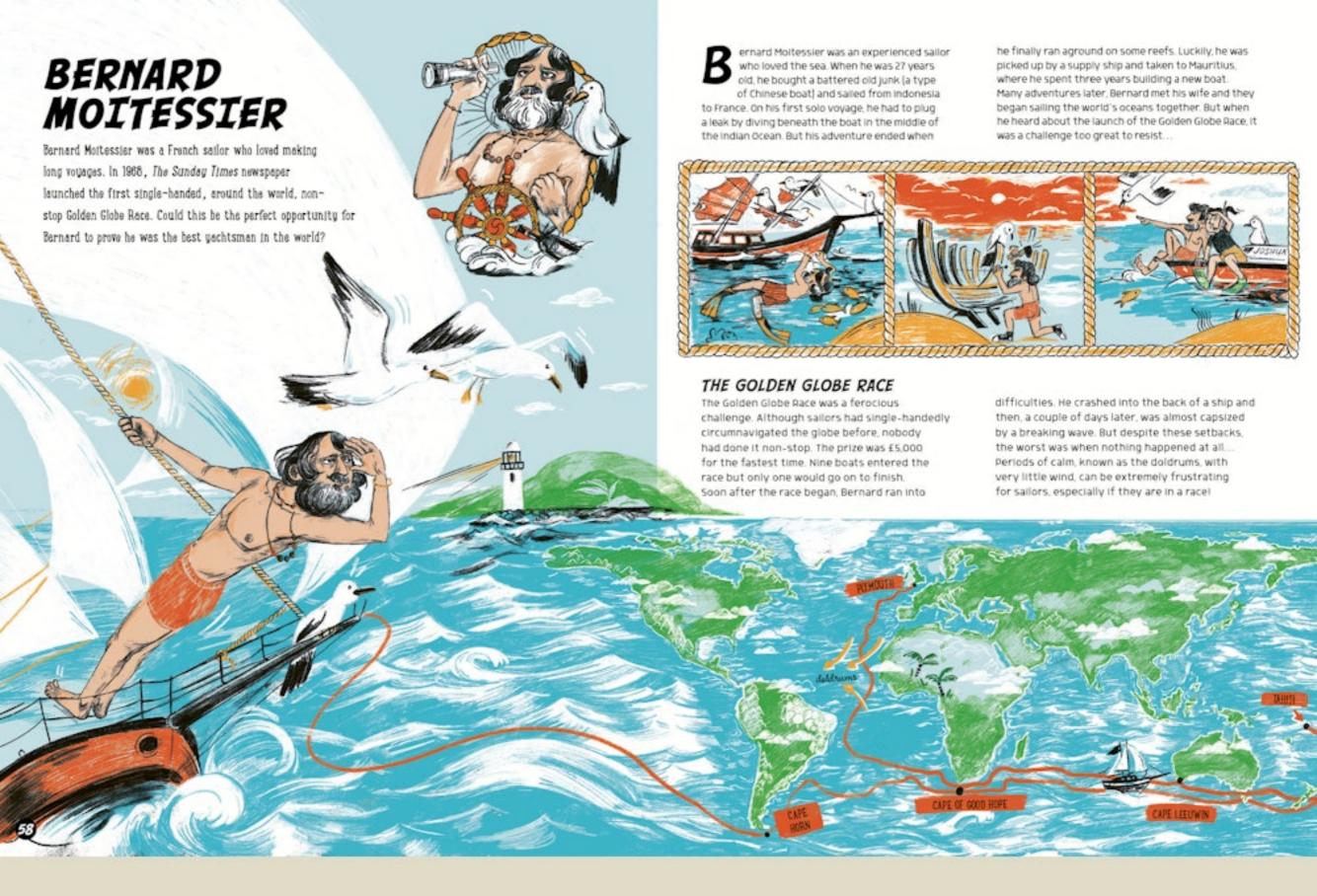
# JUNKO TABEI

Junko Tabei was the first woman to climb Mount Everest and the first woman to climb the highest mountain on each continent — the legendary Seven Summits. Growing up in the poverty of post-war Japan, Junko was a frail and small girl. To achieve her dreams, she had to overcome society's belief back then that women should be homemakers and nothing more.









#### DOWN IN THE DOLDRUMS

Bernard practised yoga on board the boat to try to keep his spirits up, but during a long, becalmed period in the indian Ocean, he began to think about leaving the race. He had no interest in the celebrity life of a champion and hated the thought of having to abandon his life at sea. He preferred the company of the dolphins that danced beside his boat and the sea birds who landed on deck for a rest.



But Bernard kept on sailing – that was what he loved to do, after all. He safely passed Cape Horn at the foot of South America – the most feared spot on Earth for sailors. The waves smashed over the portholes of his small boat and the phosphorescence shone. As he marvelled at the glowing lights of the Aurora Australis in the night sky, he completed the hardest leg of the journey.

#### HAPPY AT SEA

All Bernard needed to do now was to turn north and sail for the finish line. He was on course to win the race, claim the record, and become a star. Finding it difficult to decide, Bernard looked around for a sign. Perhaps the winds would blow him northwards, pushing him on to the finish? Or perhaps they would send him eastwards, urging him to keep sailing and forfeit the race?



I am continuing non-stop towards the Pacific Islands because I am happy at sea, and perhaps also to save my soul.

In the end, he made up his own mind.

Bernard sailed close to a passing ship and, using a catapult, fired a message announcing his decision. And with that, he sailed on his way towards, not fame and fortune, but a small tropical paradise and a quiet life doing what he loved most.

"You do not ask a seagull why it needs to disappear from time to time towards the open sea. It goes, that's all, and it is as simple as a ray of sunshine, as normal as the blue of the sky."

— Bernard Moitessier

#### HOW GOES IT, OLD MAN?

Although Bernard abandoned the race and didn't win the trophy, he actually sailed much further than all the other competitors. He went round the world and then almost two-thirds of the way around it again before making landfall in Tahiti. He had been at sea for 10 months, sailing 37,455 nautical miles – most of which were in 'the roaring forties' [40 degrees south of the Equator] where the winds are ferocious. As he sailed into the calm, beautiful bay at Tahiti, there were no crowds or fanfare. There was just the sunshine, the water and the quietest of friendly welcomes. And that was enough.

How goes it.

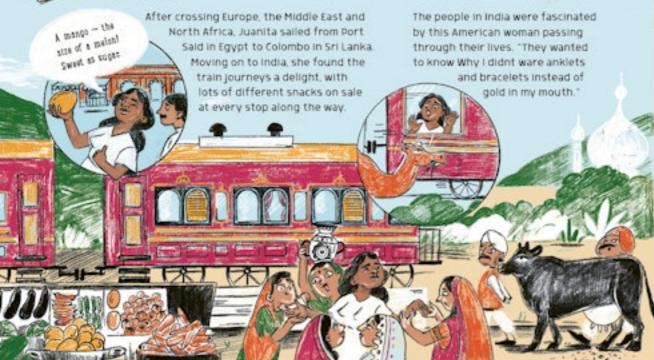


#### Why Bernard Mottessier Inspired Me

Bernard did not finish the race he set out to complete. He did not become a celebrity or break a world record. He did not win £5,000. Instead, he decided not to race for the finish line because he was happy simply being at see. Winning and success meant different things to Bernard. He is buried in northern France and visitors to his grave often leave a catapult there as a mark of respect for a man who chose freedom and to sail his own course.





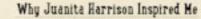


#### A PLACE TO CALL HOME

Juanita eventually sailed back to Europe. After a few months, she took an eight-day train journey east from Moscow, eventually making her way to Japan where she loved the kimonos, hot baths and temples. Next, Juanita set sail for China and feasted well on the ship. She enjoyed delicacies such as stewed cat and Canton fruit. After her time in China, she moved on to the Philippines and still she kept on exploring.

Eventually, Juanita decided to settle down in beautiful Hawaii. In her book, she wrote that she would buy a surfboard and take some Hula dance lessons. After a hard start to life, and so many adventures around the world, Juanita had finally found her "first and only Home".





Juantia travelled around the world, overcoming barriers, prejudice, and the expectations of her era. Over a period of eight years, she explored 22 different countries. This would be an exciting and unusual way for anyone to live, but for a Black woman of her time, it was a truly extraordinary thing to do.

Juenite was not setting world records like some of our other adventurers, but she overcome great challenges to get the life she wanted. She chose to break the mould and live adventurously every day. This is the reason I love Juanites story — because her spirit is something we can all be inspired by.



# FRANK WILD

Frank Wild is the unsung hero of Antarctic exploration. A key player in five major polar expeditions with the famous explorers Scott, Shackleton and Mawson, Frank's story has rarely been told. Yet Frank was second-in-command on one of the most infamous polar expeditions in history — one which went terribly wrong.





rank Wild was 27 years old when he applied for his first polar expeditions a scientific research voyage to Antarctica. He didn't believe he would be selected, thinking that only large, strong men would be chosen. But, in fact, he was picked out from more than 3,000 applicants and stood out for his calm and collected manner.



#### A MOST CHALLENGING VOYAGE

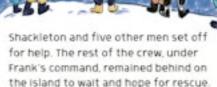
In 1914, Frank joined Ernest Shackleton on a polar expedition which turned into an incredible journey of resilience and determination. Their ship, Endurance, became trapped in sea ice before reaching Antarctica. There were no radios in those days and no way to call for help. They were thousands of miles from safety and simply had to wait, in bitterly cold conditions, hoping that the ice would shift and release the ship. Instead, the ice crushed the ship until it split and sank. The expedition now faced disaster. The crew were stranded in freezing conditions on an expanse of sea ice on top of the most dangerous ocean on the planet.



Even though Elephant Island was a long way from safety, the men were thrilled to be on solid land for the first time in 18 months. But their happiness wasn't to last: a vicious gale struck on their first night. The men turned a lifeboat upside down for shelter and covered it in rocks to stop it blowing away.



Anticipating the ship's sinking, the men had removed the lifeboats, equipment and supplies onto the sea ice. The crew now had to haul the heavy lifeboats across the ice towards open water if they were to have any chance of escape. It was tough work, and in seven long days, they only covered tikmi When they eventually reached the open ocean, they faced a perilous 320km crossing to the nearest land – the deserted and inhospitable Elephant Island.



#### THE SNUGGERY

There was no shelter on the island so the men built a rough shack out of their remaining two lifeboats and old sails. They turned the boats upside down on low stone walls and built themselves a little home. Frank and his men plugged up holes in the shelter with snow and rocks to try to keep out the freezing wind.

The men gave this damp, uncomfortable and cold construction the cheerful name of 'the Snuggery'. They hunted seals and used their blubber as oil for lamps, using an old biscuit tin for a chimney. At night they slept on the hard floor, huddled together to try and keep warm.





For food, the men hunted penguins and seals, and gathered limpets and seaweed from the seashore. Sometimes the penguins had undigested fish in their stomachs, which felt like a bonus feast to these desperate men. They also had some supplies remaining from the Endurance such as milk powder, biscuits and dried peas. Frank would give out treats – tiny mouthfuls of the nicer foods – to cheer people up.



#### KEEPING CHEERFUL

The crew had no idea if Shackleton had survived the sea crossing to summon help or whether they had been abandoned to their fate. It was a harsh, cold and frightening existence. The men slept in their wet sleeping bags and were always hungry. In order to keep people optimistic, Frank would begin every day by calling out:



The crew also put on a concert every Saturday night. Frank was a fine singer and one man played the banjo. But as the weeks dragged on, the men worried more and more. Food supplies were running low, and they were down to one hot meal a day due to a lack of fuel.

Frank tried to keep people busy. Someone was on lookout for the rescue ship at all times. They shared out cooking and cleaning duties, and organised hunting trips. Frank also gathered the men to admire the golden supports over the heavitful blue places.



#### RESCUE AT LAST

One day, after four and a half long months, the lookout shouted, "There's a shipi" The men were rescued at last!

And so ended one of the most spectacular expeditions of all time, with not a single man lost despite being stranded thousands of miles from home.

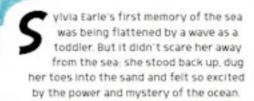


#### Why Frank Wild Inspired Me

Among all the stories of Antarctic exploration, the failure of the Endurance expedition stands out. It is an adventure of unimaginable hardship and determination. While Shackleton went for help (an epic story in itself), Frank had to remain on an inhospitable island and demonstrate determination, patience, optimism and kindness to set an example to the frightened, desperate men he was in charge of.

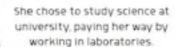
# SYLVIA EARLE

Some queens may be called 'Her Highness', but American explorer and conservationist Dr Sylvia Earle has earned the nickname 'Her Deepness' after decades of ocean expeditions. Sylvia has dived in all five of the world's oceans, despite being rejected from some of the early expeditions she applied for



She loved nature too, often spending hours dipping in a pond for tadpoles, and jotting notes in a book.

Her family moved to live near the ocean when she was 12, and from the moment she first tried scuba diving, she was entranced by the feeling of weightlessness, the spiky sea urchins and the tiny seahorses.



#### FINDING HER FINS

Sylvia grew up in the 1950s, and not many women became scientists in those days. When she applied for a teaching job, they told her....



Then, in 1969, after working as a scientist for several years. Sylvia applied to join the Tektite i Project which aimed to use underwater study to investigate how humans would cope on the Moon. Despite having more diving experience than any other scientist who applied, she was still rejected for being a womani

## ONE YEAR LATER!

But her skills were too strong to ignore, and she went on to lead Tektite II the next year, on an all-female expedition.



When she surfaced again, Sylvia found herself a celebrity! The team were even invited to the White House for a party.



More importantly, Sylvia realised that she could use this fame to inspire women to become scientists.



When I was a girl, you could be the stewardess, not the pilot. You could be a nurse, not a doctor. You could be the secretary, not the CEO. That was reality. Now you can.

#### A PARADISE LOST?

When Sylvia first began exploring the oceans, people weren't fully aware of the devastating impact humans were having on the planet. It was only in the 1970s that new technology and undersea exploration revealed the damage that was being done. This led to a change in marine conservation and a shift in attitudes regarding the need to protect and restore our oceans.

When I began exploring the ocean, no one imagined that we could do any harm by what we put into it or by what we took out of it. It seemed, at that time, to be a see facing paradise jost.

#### THE STURGEON GENERAL

Sylvia began working hard to protect the oceans, providing research that would give evidence of how humans and big corporations are impacting our seas. In 1990, Sylvia became the first female chief scientist at the

National Oceanographic and Atmospheric Administration, where she was responsible for monitoring the health of the ocean, earning her the nickname 'The Sturgeon General' (sturgeon is a species of fish). Sylvia has designed research submarines, spent over 7,000 hours underwater, and led over a hundred expeditions.

#### MISSION BLUE

In her 60 years of adventures, Sylvia has seen the oceans destroyed by overfishing and pollution. So, in 2008, Sylvia founded Mission Blue, a conservation organisation. Only 7% of the world's oceans are in marine protected areas (MPAs) where restrictions are in place to care for ocean life. Mission Blue's vision is to achieve 30% protection of the ocean by 2030 through newly protected areas called 'Hope spots'. Anyone can nominate a Hope Spot which will hopefully drive a global wave of community support to protect our oceans.

No ocean: no life. No ocean: no us. We must protect nature as if our lives depend on it.

#### HOW TO BUILD A HOPE SPOT

- O Where do you want to protect and why?
- Who needs to be involved?
- What issues need to be tackled? What needs to happen?
- Which authorities do you need to connect with?
- What funding might you need?
- O Create an action plant

#### OCEAN FACT FILE

- Oceans are crucial for life on Earth, covering around 71% of the planet and producing 50-80% of the Earth's oxygen.
- A healthy ocean absorbs 90% of the Earth's heat and distributes it around the globe. It also absorbs around 25% of the carbon dioxide emissions we produce – all super important in the fight against climate change.
- Pollution contaminates the ocean, ruining habitats, destroying species and ecosystems. If the rate of pollution continues, there will be more plastic than fish in our oceans by 2050.

#### HER DEEPNESS

In 1979, Sylvia walked along the floor of the Pacific Ocean in a special diving suit. called a JIM Suit, earning the nickname 'Her Deepness'. At over 380m deep, this broke the world record for the deepest untethered dive. She saw an abundance of life, including sharks with bright green eyes, light-emitting fish and a forest of corals.

#### Why Sylvia Earle Inspired Me

Sylvia fought hard to overcome prajudice as a female scientist, but perhaps her biggest struggle has been trying to persuade greedy businesses and uninterested governments that we need to act fast to save the world's greatest resource. Mission Blue is a global movement that invites everyone to get involved and become curious explorers, as once you spend time in wild places you are more likely to care for them.





#### ONE ROCK AT A TIME

Joe faced about 2.5km of icy crevasses and glaciers to cross, then another 10.5km of rocky terrain. What would have been a simple stroll a few days earlier now turned into a marathon of agony. For three days and nights, Joe hopped and crawled in awful pain, with no food and very little water. Every metre he crept towards safety demanded an immense effort. He tried to minimise the task ahead by breaking it down to 20-minute stretches, creeping from one rock to the next.







#### BACK TO CAMP

Miraculously, Joe crawled into base camp just a few hours before Simon was planning to leave forever. If he had missed Simon, Joe could not have survived. Simon was astonished to see his friend again. After resting for a while, the friends headed slowly down the mountainside. But before he could reach a hospital, poor Joe had to endure two more days travelling on a donkey and then an agonising 23-hour drive over bumpy roads in the back of a pickup truck. Eleven days



#### TOUCHING THE VOID

Over the course of six operations, doctors told Joe that he would never walk properly again. But two years later, Joe was back climbing in the mountains. His story is one of the most frightening, painful, brave survival stories in the history of mountaineering. Joe's book, Touching the Void, became a successful film, play and a book studied for GCSE. He dedicated the book to his friend Simon, who had saved his life.

#### Why Joe Simpson Inspired Me

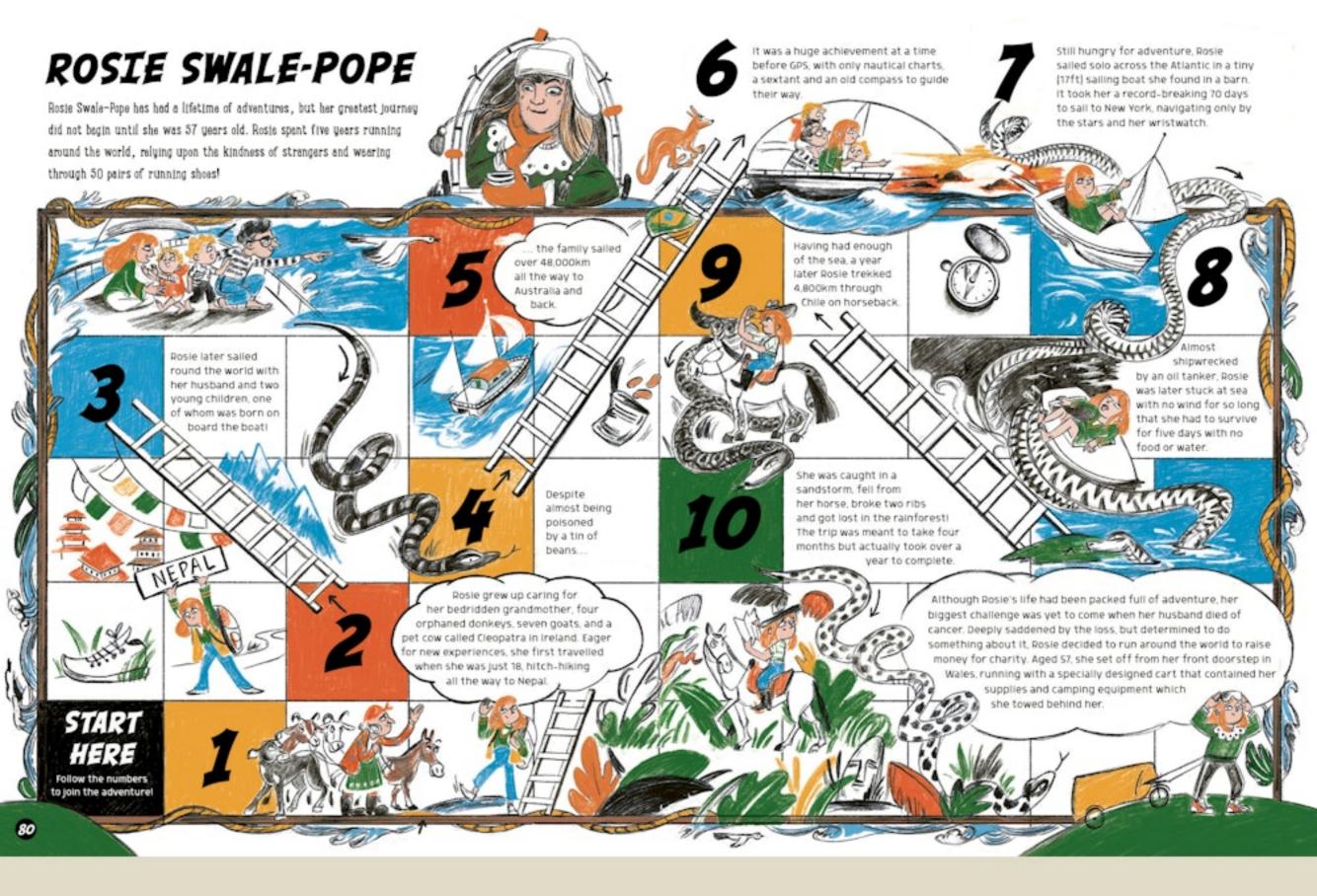
Life can deal you an amazing

hand. Do you play it steady, bluff

like crazy or go all in?

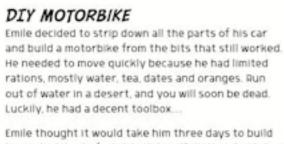
We go on adventures for excitement, to enjoy wild places and to challenge ourselves. We learn about perseverance, thoughtful risk taking, and working hard for our goals (with consequences for our mistakes). Joe and Simon reached the summit, but then things went very wrong. They had some bad luck and made mistakes. Joe almost died and Simon had to make a terrible, unavoidable decision. But through teamwork, trust, determination, courage and a refusal to give up, they made it back home alive and remained friends: two successful outcomes from a fun adventure that became a terrifying survival story.











Emile thought it would take him three days to build his motorbike. In fact it took him 12. With only 10 days of water supply, he finished in the nick of time, with only half a.



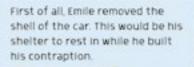
- blades
- O hammer
- O chisel
- O ring wrenches O large flat wrenches

@ ratchet pipe

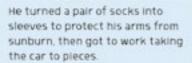
cutter

- adhesive tape
- 1 40l of spare



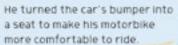


litre remaining.

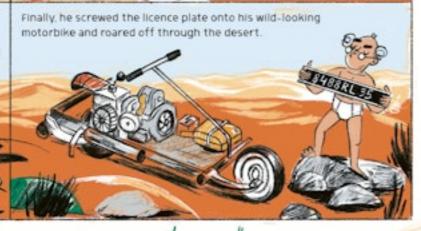


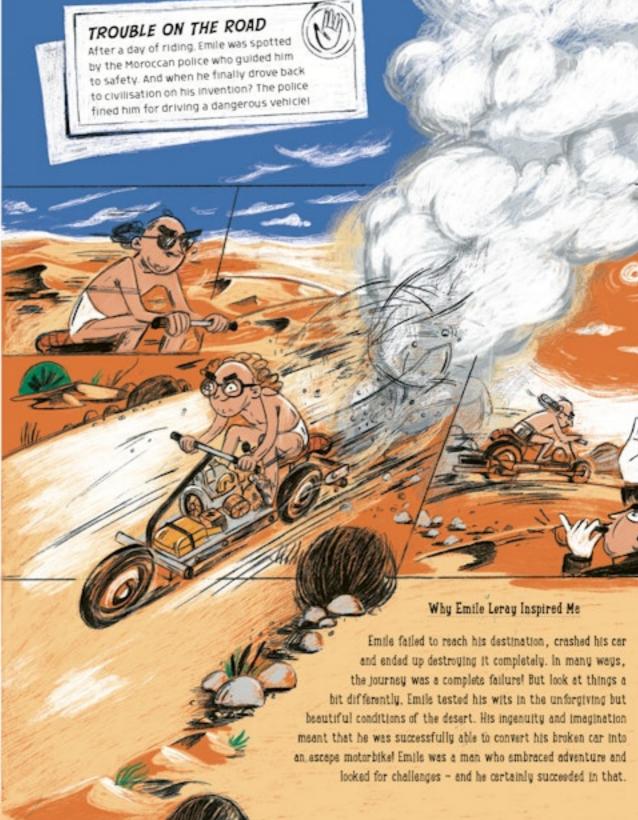
He slept inside the shell at night when the desert became very cold. and sheltered from sandstorms and the midday sun, too.

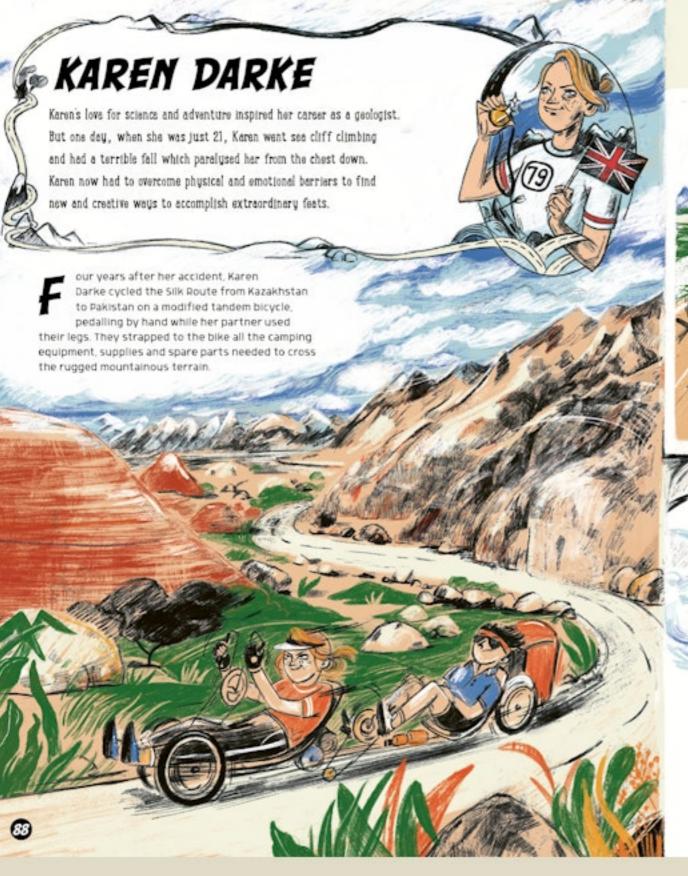










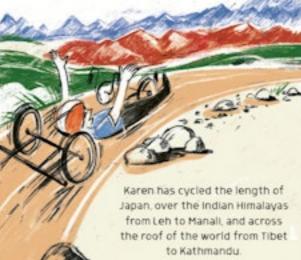


#### THE LIFE OF AN ADVENTURER

Eager to focus on the opportunities available to her rather than feeling sad about those things she could no longer do. Karen found ingenious ways to adventure around the world:

#### HAND-BIKING

ACROSS SOME OF THE HIGHEST, ROUGHEST ROADS ON THE PLANET



## SIT-SKIING

ACROSS THE GREENLAND ICE CAP



#### KAYAKING

THE 'INSIDE PASSAGE' FROM VANCOUVER, CANADA, TO JUNEAU, ALASKA



El Capitan is a world-famous, 1000m vertical rock face in Yosemite
National Park, USA, Partnering with an able-bodied mountaineer, Karen climbed El Capitan by hauling herself up a climbing rope, using a technique known as jumaring in this weeklong challenge.



#### THE BEST AWARD OF ALL

Karen's most famous race, however, ended without a medal. Approaching the end of the Olympic Road Race in London, Karen was competing against her friend and teammate for the bronze medal. Just before the finish, the two friends decided to hold hands, cross the line together, and share the result. The Olympic organisers did not like that and decided that Karen's bike had been fractionally behind and therefore she came fourth.

Apparently that is not what we are 'supposed' to do at Olympic level ... But I like things outside the norm.





for that she is a truly inspiring adventurer

AN ADVENTURER'S PACKING LIST

An explorer must plan carefully before heading off on an adventure. You need to prepare a list so that you can tick off your sleeping bag, hiking boots and toothbrush. But even more important than what you carry in your rucksack, is the packing list of what you must carry in your heart.





#### COURAGE

Adventures are often scary. But that is sort of the point. If it is all easy and fun, then it's not an adventure: it's a holiday. Frank must have feared that rescue from Elephant Island would never come. Goran was afraid when he was all alone near the summit of Everest. Adventurers know it is OK to be scared, but that facing the unknown and being bold is what gets you to the top of the mountain.

#### INSPIRATION

Most adventurers get their first inspiration from other people's stories. Like Marianne reading about earlier adventurers, everyone needs to fire their soul from somewhere. Seek it from nature and the landscape, from a book or a smile. Inspiration shines all around us.





#### SWEAT

We have to work hard to stay mentally, physically, emotionally and economically healthy. It takes commitment and consistent practice to get good at anything. Work hard at your dreams, starting today, as procrastination will get you nowhere. Terry's heroic run came about by taking one small step over and over again.

#### CURIOSITY

If you are filled with curiosity, then you will never be bored again. Everywhere is interesting and everything is fascinating. Curiosity is a vital characteristic of adventurers. It is at the heart of human exploration of space, like the Apollo 13 crew, or for those driven to learn more about science, like Jeanne.



#### LOVE

Love is so important in life. It comes from many places: from family or friends, and from within ourselves. Adventurers must take care and not be too hard on themselves. This is vital on remote journeys like Bernard's sail around the world. Radiating love and kindness to other people is also an important quality when travelling. Juanita's joyous adventure was fuelled by the goodwill she showed to everyone, as was Beth's decision to stop her challenge and focus her love on her son.





#### GRIT

No adventurers are brilliant at what they do when they begin. There is a lot to learn. They know that along the way there will be struggles and failures, and the way through them is to grit your teeth and get on with it. Joe's survival depended upon grit, but so too did the Van Buren sisters' determination not to be stopped by prejudice. Adventurers believe they will improve and do better if they keep going.

#### **PURPOSE**

When there is something that you truly believe in, you can find the determination and the energy to see it through, no matter how hard the obstacles are. Robert's belief in freedom, Zheng He's drive to explore new lands, and Sylvia's lifelong quest to protect the oceans were all driven by a combined sense of adventure plus purpose.





#### SENSE OF HUMOUR

Adventures are hard. You are often too cold or too hot, tired, scared, uncomfortable and hungry. A lot of those things are out of your control. But the one thing you are always in charge of, in every adventure you ever do, is your attitude. You can always choose how to approach a situation. And the best thing to do when you are cold or hungry or uncomfortable is to laugh about it. Every adventure improves with a smile or a good laugh!

Where will your next adventure take you?

