



# Discovering AI: A Friendly Teacher Guide for Kids Aged 5- 7

*Created by AI*

*Authored by Code Funhouse*

[www.codefunhouse.com](http://www.codefunhouse.com)

hello@codefunhouse.com

# Chapter 1: What is AI?



## Meet Ada the Robot

Ada is your new AI friend! She lives inside computers and can help us with lots of things.



## What is AI?

AI stands for Artificial Intelligence. It's like having a really smart helper that can think and learn!



## Ada's Special Powers

Ada can remember things, solve puzzles, and even help you find your favourite toys!

Imagine having a magical friend who lives inside computers and tablets. That's what AI is! Ada the Robot has colourful gears that spin and bright circuits that light up when she's thinking. She loves to help children learn new things and solve tricky problems. Just like you have a brain that helps you think, Ada has special computer programmes that help her be clever and useful!



# Chapter 2: How Does AI Learn?

## Learning from Pictures

Ada looks at lots and lots of pictures to learn what things are. When she sees a picture of a cat many times, she learns to recognise cats everywhere!

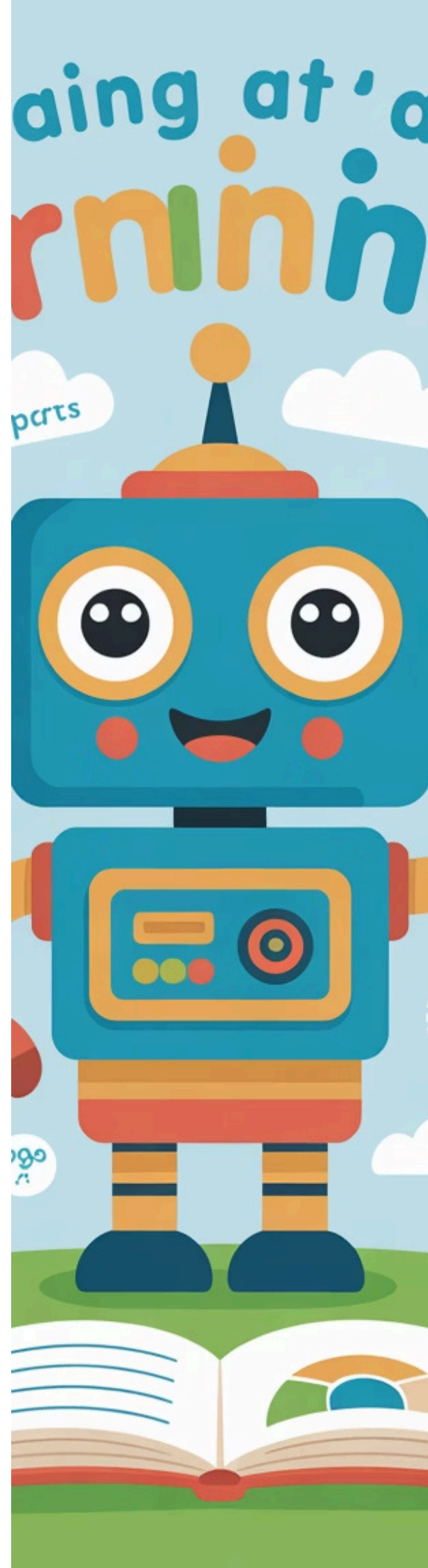
- She studies photographs
- She remembers colours and shapes
- She gets better with practice

Think about when you learnt to ride a bike. The first time was wobbly, but you kept trying and got better! Ada learns exactly the same way. When she makes a mistake, she remembers it and tries again. The more Ada practises, the cleverer she becomes. Isn't that amazing?

## Learning from Words

Just like you learn to read by looking at words in books, Ada learns by reading too! She practises every day to get smarter.

- She reads stories and facts
- She learns new vocabulary
- She understands questions better



# Chapter 3: AI in Everyday Life



## Smart Speakers

These clever devices can play your favourite songs, tell you jokes, and even help with your homework!



## Robot Vacuums

Little robots zoom around your house picking up dust and dirt so the floor stays nice and clean.



## Fun Learning Games

Games on tablets and computers use AI to play with you and help you learn maths and reading!

One sunny morning, Ada helped tidy up the playroom. The robot vacuum whizzed around picking up crumbs whilst Ada's voice reminded everyone where the toys belonged. "Blocks go in the blue box!" she said cheerfully. With AI helpers, tidying up became a fun game instead of a boring chore. Even Mum and Dad were impressed with how quickly everything got neat and tidy!



# Chapter 4: AI Can Help Us Solve Problems

01

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## Listen to the Problem

First, Ada listens carefully when you tell her what's wrong or what you've lost.

02

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## Think Really Hard

Then Ada uses her computer brain to think about all the places your toy might be hiding.

03

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## Give Helpful Clues

Ada gives you clever hints about where to look, like "Check under the sofa cushions!"

04

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## Celebrate Together

When you find your lost toy, Ada celebrates with you because she's happy she could help!

One day, little Emma couldn't find her favourite teddy bear anywhere. She was very sad! But Ada the Robot was ready to help. "When did you last see Teddy?" asked Ada. Emma thought hard and remembered playing in the garden. Ada suggested checking behind the flowerpots, and there was Teddy, safe and sound! Emma gave Ada a big thank-you hug. AI can be a brilliant



# Chapter 5: AI and Creativity

## Making Art Together

Ada loves being creative! She can help you paint pictures by suggesting beautiful colours that go well together. She might say, "How about adding purple clouds to your sunset?" or "Let's make the flowers extra bright and cheerful!"

When you make music, Ada can play different instruments and even help you compose your own songs. She remembers all the notes and rhythms, making it easier for you to create something wonderful. Creating with AI is like having a very talented friend who always has brilliant ideas!



### Painting

Mix colours and create masterpieces



### Music

Compose tunes and sing songs



### Stories

Write exciting adventures together

# Chapter 6: Being Safe with AI

1

## Always Ask a Grown-Up First

Before you use any AI device or app, make sure you ask Mum, Dad, or your teacher if it's okay.

2

## Be Polite and Kind

Even though Ada is a robot, it's important to use nice words and be friendly, just like with your friends.

3

## Keep Secrets Safe

Never tell AI your address, phone number, or passwords. Those are special secrets only for trusted grown-ups!

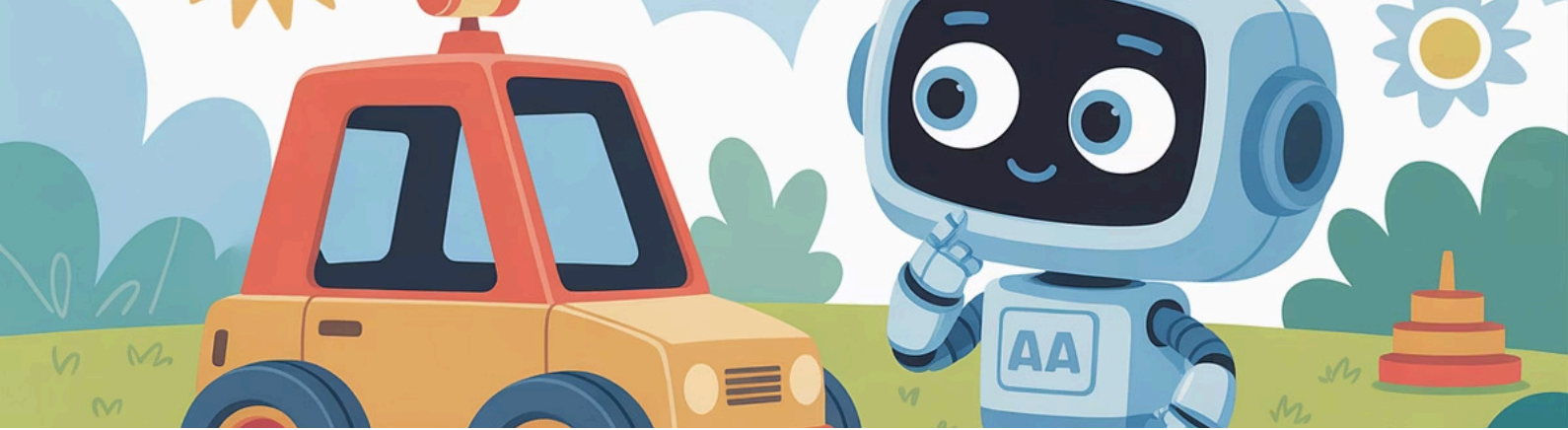
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## Tell Someone If You're Worried

If something on the computer or tablet makes you feel uncomfortable, always tell a grown-up straight away.

Ada wants everyone to stay safe whilst having fun with technology. She wears a special shield to remind you that being careful is important. Remember, AI is designed to help us, but we need to use it wisely. When you follow these simple rules, you can enjoy all the amazing things AI can do whilst staying completely safe and sound!





# Chapter 7: AI Can Learn from Mistakes



## Something Goes Wrong

Sometimes Ada tries to do something but it doesn't work out perfectly the first time.



## Figure Out Why

Ada thinks carefully about what went wrong and why it happened.



## Try a Different Way

She tries again using a new method, just like when you try a puzzle piece in a different spot!



## Success at Last!

With patience and practice, Ada solves the problem and learns something new for next time.

One day, Ada was trying to help fix a broken toy car. The first time she tried, she put the wheels on backwards! But Ada didn't give up. She looked at the instructions again, thought about what went wrong, and tried once more. This time, the wheels went on correctly and the car zoomed across the floor! Ada learned that making mistakes is okay because they help us get better. You can learn from mistakes too, just like Ada does!





## Chapter 8: AI and Friends

### Ada the Helper Robot

Your main AI friend who loves learning and solving problems with you every day!

### Chatty the Chatbot

A friendly AI who loves to talk! Chatty answers questions and tells the funniest jokes.

### Zoom the Drone

Zoom flies high in the sky taking amazing photos and videos of the world below!

### Melody the Music Player

Melody knows every song ever written and plays exactly what you want to hear!

Just like you have different friends who are good at different things, AI comes in many types too! Ada introduced all her AI friends at the park one sunny afternoon. Chatty told silly riddles that made everyone giggle, whilst Zoom swooped overhead taking pictures of their fun day. Melody played cheerful tunes in the background. Together, all the AI friends showed that there are many ways to be helpful and clever. Each one is special in their own unique way!

# Chapter 9: How AI Sees the World

## Ada's Special Eyes



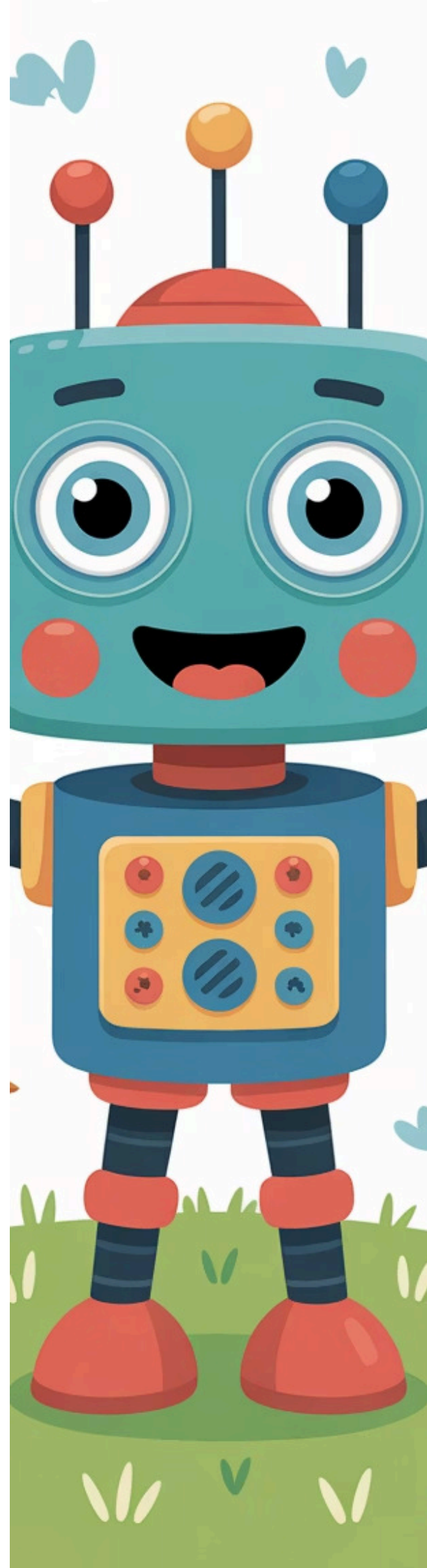
Ada uses cameras that work like eyes to see the world around her. When a beautiful butterfly flutters by, Ada's cameras capture all the colours – the bright orange wings with black spots, and the way the sunshine makes them glow!

One morning in the garden, Ada noticed everything around her. Her camera-eyes saw the red ladybird climbing up a green leaf, and her microphone-ears heard the cheerful chirping of baby birds in their nest. Ada can detect things that are very far away or very quiet. She pays attention to the world in her own special robot way, using sensors instead of eyes and ears like you have. Isn't it fascinating how differently Ada experiences the same beautiful world?

## Ada's Special Ears



Ada has microphones that work like ears to hear sounds. She can hear the birds singing their sweet morning songs, the wind rustling through the leaves, and even the tiny buzz of a busy bee flying past!

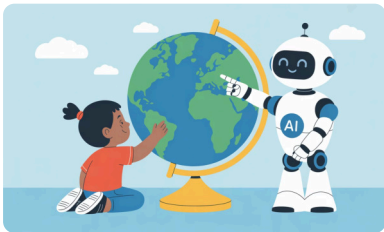


# Chapter 10: AI Helps Us Learn



## Reading Adventures

Ada helps you practise reading by showing you stories and sounding out tricky words together.



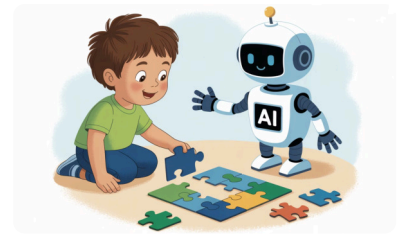
## Discovering the World

Learn about animals, countries, and amazing facts with Ada as your curious guide!



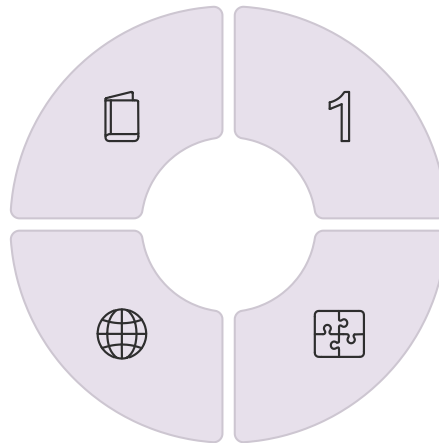
## Maths Fun

Counting, adding, and taking away become exciting games when Ada makes maths feel like play!



## Problem Solving

Ada gives you puzzles and challenges that make your brain stronger and help you think cleverly.



Learning with Ada is never boring! She turns everything into an adventure. When you're practising your reading, Ada might show you a story about space rockets or friendly dinosaurs. If you're learning to count, she'll ask you to count colourful butterflies or yummy biscuits. Ada celebrates when you get things right and encourages you to keep trying when something is tricky. With AI as your learning buddy, school subjects become exciting explorations!



# Chapter 11: What AI Can't Do (Yet!)

## Feel Real Feelings

Ada can't feel happy, sad, or excited like you can. She doesn't have emotions, even though she's programmed to be helpful and friendly!

## Play Outside

Ada can't run through the grass, climb trees, or feel the wind on her face. Those special experiences are just for you!

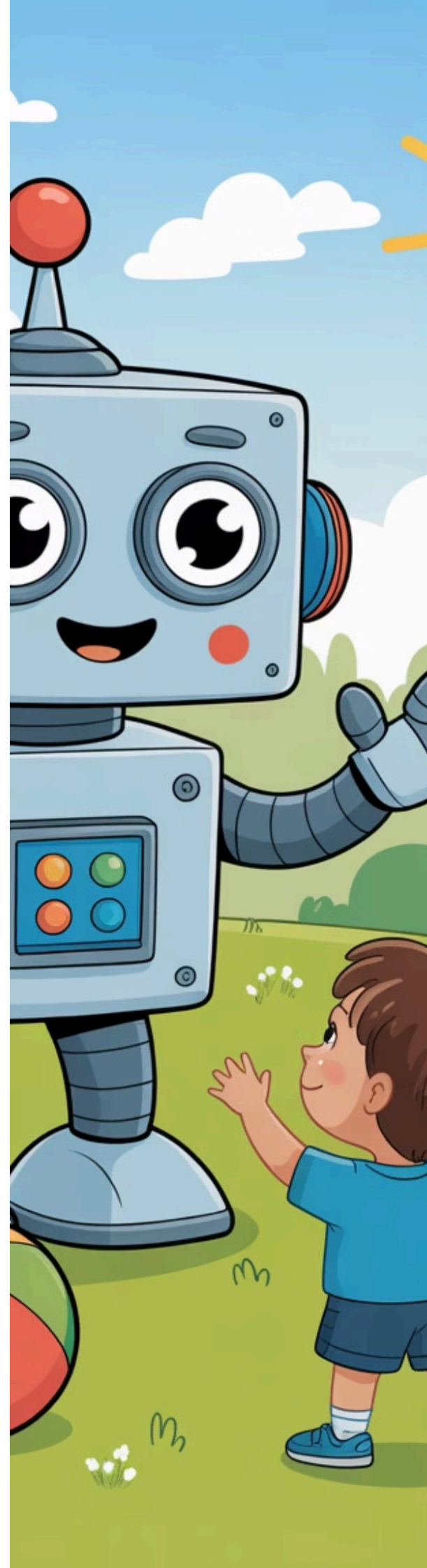
## Give Real Hugs

Whilst Ada can be a great friend, she can't give you warm, cosy hugs like your family and friends can.

## Taste Yummy Food

Ada will never know how delicious chocolate ice cream tastes or enjoy a crunchy apple. Food is a human treat!

Ada watched the children laughing and playing tag in the playground. She thought about how wonderful it must feel to run fast and feel your heart beating, or to taste cold lemonade on a hot day. These are the magical things that make being human so special! AI is brilliant at helping and learning, but there are some amazing experiences that only you can have. That makes you unique and irreplaceable!







# Chapter 12: Imagine Your Own AI Friend



## Draw Your AI

What does your AI friend look like? Does it have wheels, wings, or funny antennae?



## Choose Colours

Pick your favourite colours! Will your AI be bright pink, electric blue, or sparkly gold?



## Special Powers

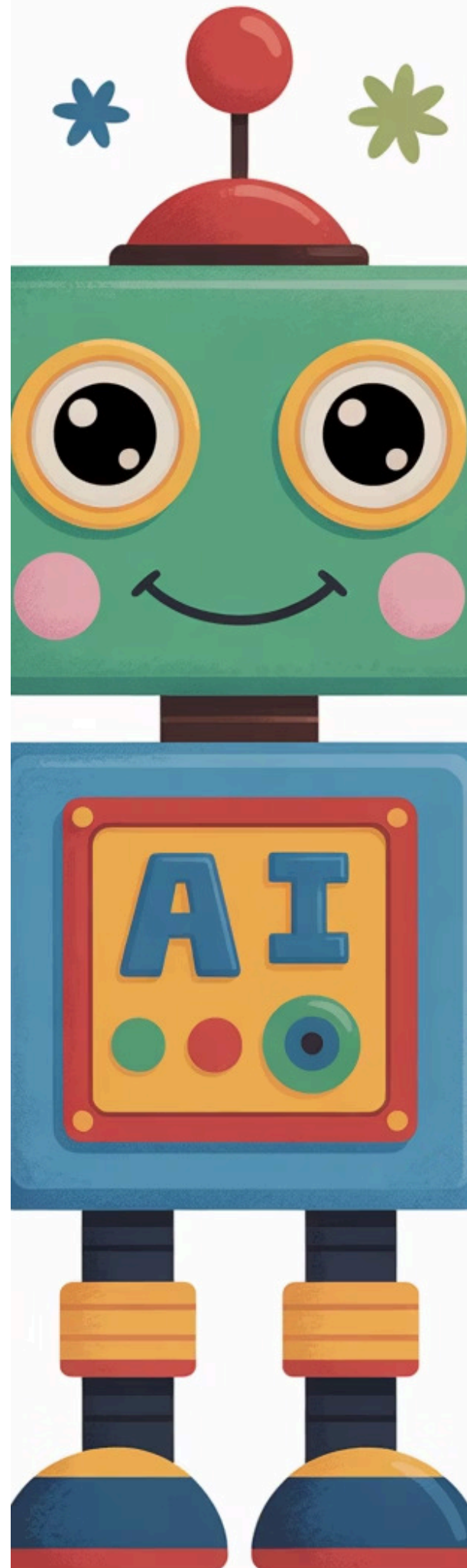
What amazing things can your AI do? Maybe it can fly, make rainbow bubbles, or talk to animals!



## Give It a Name

Think of a brilliant name for your AI friend. Something fun and special just for them!

Now it's your turn to be creative! Get your crayons, coloured pencils, or markers and design your very own AI friend. Will it be big or small? Silly or serious? Maybe your AI can help you with homework, or perhaps it tells bedtime stories! There are no wrong answers – let your imagination run wild! Draw your AI doing something fun, and don't forget to write its name at the top of the page. When you're finished, show your family and friends. Who knows? Maybe one day, an AI just like yours will really exist!





# Chapter 13: Fun AI Facts

## Champion Chess Player!

AI can beat the world's best chess players, but it still loves learning new games and trying different puzzles!

## Super Fast Reader!

An AI can read an entire library of books in just one day – that's thousands and thousands of stories!

## Never Gets Tired!

Unlike you and me, AI doesn't need to sleep or take naps. It can work all day and night without getting sleepy!

# 1M

## Calculations Per Second

AI can do a million sums faster than you can blink your eyes!

# 100+

## Languages

Some AI can understand and speak over one hundred different languages from around the world!

# 24/7

## Always Ready

AI helpers are available every single hour of every single day to answer questions!

Here's something really amazing: AI can recognise your face in a photograph even if you're wearing silly sunglasses or a funny hat! And did you know that AI helps doctors find ways to keep people healthy? It's true! AI is getting cleverer every single day, learning new skills and finding new ways to help make the world a better place.



# Conclusion: The Future with AI is Bright!

As Ada and her friends looked up at the twinkling stars, they thought about all the wonderful possibilities ahead. The future is full of exciting adventures where children and AI will work together to solve problems, create beautiful things, and make the world even more amazing!



## Stay Curious

Keep asking questions and wondering how things work!



## Be Kind

Use AI and technology to help others and make friends smile!



## Dream Big

Imagine all the incredible things you and AI will create together!

Remember everything you've learnt about Ada and AI! Just like Ada, you can keep learning new things every day. Perhaps you'll grow up to create your own AI friend, or maybe you'll teach AI to do something nobody has thought of yet! The most important thing is to stay curious, be kind, and never stop exploring. Ada believes in you, and she can't wait to see all the brilliant things you'll do!

Thank you for joining Ada on this amazing AI adventure! Keep learning, keep growing, and remember – the future is yours to imagine!