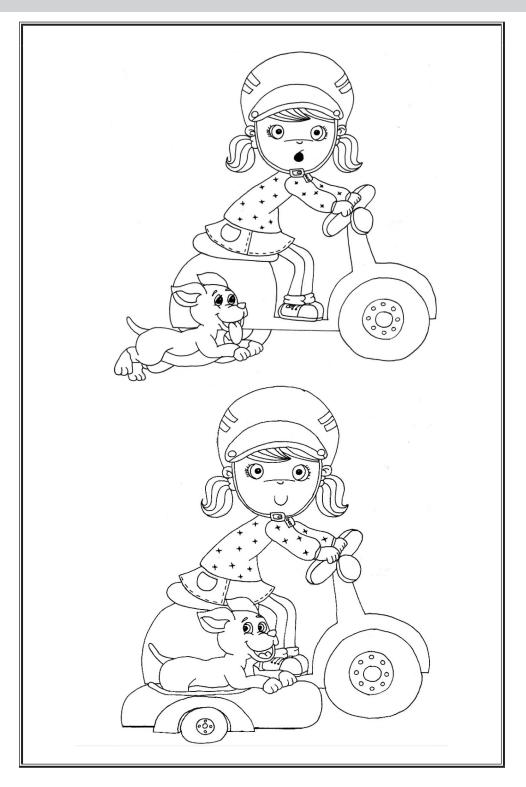
# **Table of Contents**

About This Bookiii	
1.	The Magic Pencil
2.	The Creature Factory
3.	<b>Superheroes and Super Powers</b>
4.	Alien Designer
5.	The Inventor
6.	The Crisis Specialist
7.	The Best Tool
8.	The Enigma*
9.	The Mind Ride
	Super Challenge
10.	<b>2-D and 3-D Figures and Shading</b>
11.	Play With Mechanisms

# 1. The Magic Pencil

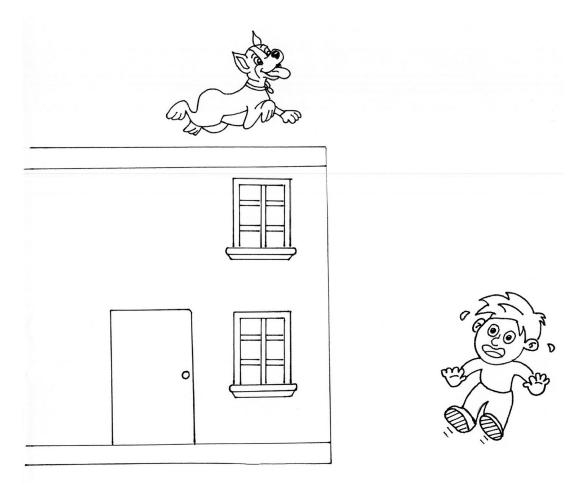
Use creative thinking to draw a way to fix a situation.



## **Example: Dog on a Roof**

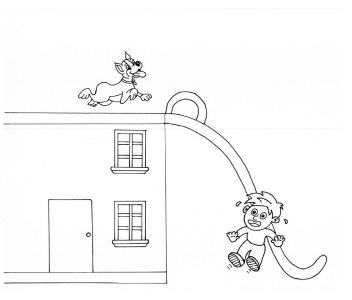
Use your magic pencil to draw a way to save a character from danger or to help the character get what she or he wants.

The dog seems to be jumping from the roof. Use your magic pencil to draw a solution for this dog.

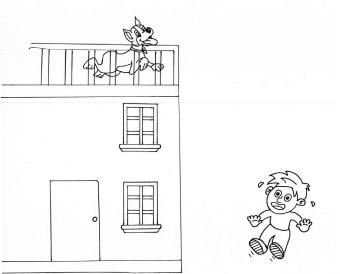


## **Possible Solutions**

1. Add a slide.

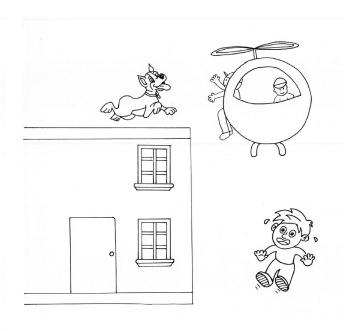


2. Put up a fence.



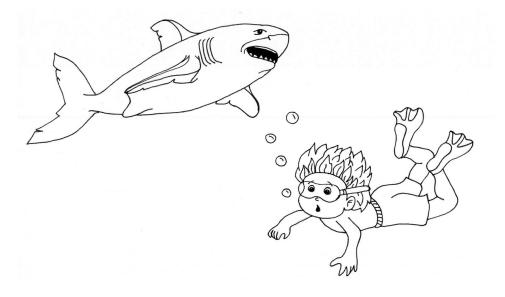
- 3. Change the dog to a reindeer.

4. Use a rescue helicopter.



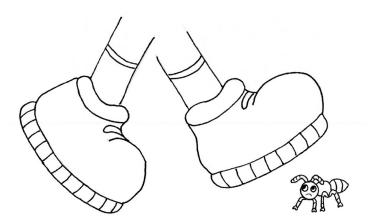
## **Challenge 1: Shark Alert**

Alex seems to be swimming with a shark. Use your magic pencil to keep Alex safe from danger.



## **Challenge 2: Save The Ant!**

A shoe is about to crush the ant. Use your magic pencil to make the ant safe.



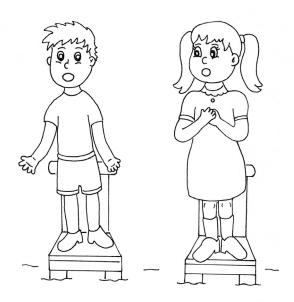
# 3. Superheroes and Super Powers

Choose special powers to help in an emergency.



## **Example: The Class Floods**

A river near your school has risen so high that it has entered your classroom. The water is at the same level as the seat of your chair. Twenty classmates are standing on the chairs, and the water is still coming in.



Choose a super power below to help you save your classmates.

### **Vaporizer**

Your microwave eyes heat the water in an instant vaporizing it



#### Super Bubble

You can make a bubble in which some of the children can float.



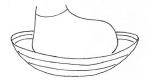
#### Cool

Your breath freezes the water around you.



#### **Canoe Shoes**

You can make shoes become small canoes.



Which super power did you choose? Why? Why didn't you choose the others?

I would choose the power to freeze the water. The kids can stay still until they are rescued or walk over the frozen water if it is solid and safe. I would not vaporize the water because the heated water and the vapor could burn. I would not use the bubble because it cannot save many children at the same time. The canoe shoes can be a risky choice, because it is not known if they are easy to handle and if more water can come in like a big wave.

What is a different super power that could be helpful?

A power that can make the water disappear would be a good choice. It would save all the kids and the building from damage.

#### **Team Work**

You are now the head of the mission to rescue all the people trapped inside the flooded school. You still have your special power.

Choose two superheroes below to help you save all the people. Explain your plan.

Glue: He throws Superglue to glue heavy things to dry surfaces.

Stingray: She becomes a big, strong stingray that moves fast in water.

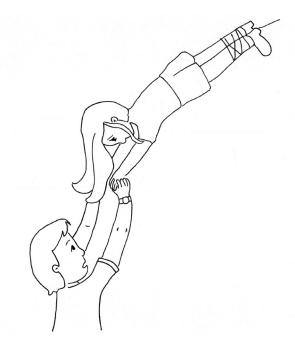
Suction: He suctions anything from his feet and throws it far away.

The Wizard: Whatever his coat covers, it moves somewhere else.

I would choose the wizard and the glue. I would go from class to class freezing the water. The wizard will make the people disappear by covering them with his coat one at a time and sending them to a safe place. Glue can stick chairs and tables high on the wall. The people will be above the water while the wizard sends them to a safer place.

## **Challenge 1: Emergency Landing**

A plane is making an emergency landing in the park. Your sister is flying a kite, and the wind makes the kite string wrap around her feet. Now the plane's engine is pulling the kite in. Your sister is in danger. You are holding her hands but they are slipping.



Choose a super power below to help you save your sister.

#### **Elastic**

You can stretch your hand several yards.



### **Super Gum**

Your body is a very sticky gum.



#### **Mega Strong**

You can lift a refrigerator.



### **Donut Arms**

Your arms can form the shape of a donut and hold what is inside very strongly.

