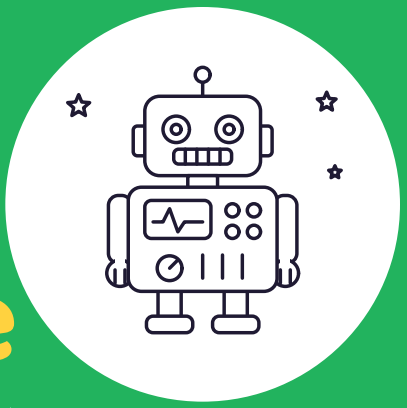
CLOVER & CRAYON

February Activity Pack

# Sam's Robot Adventure



Age 7 · Loves robots, cars & trucks · Hobbies: building / lego, science

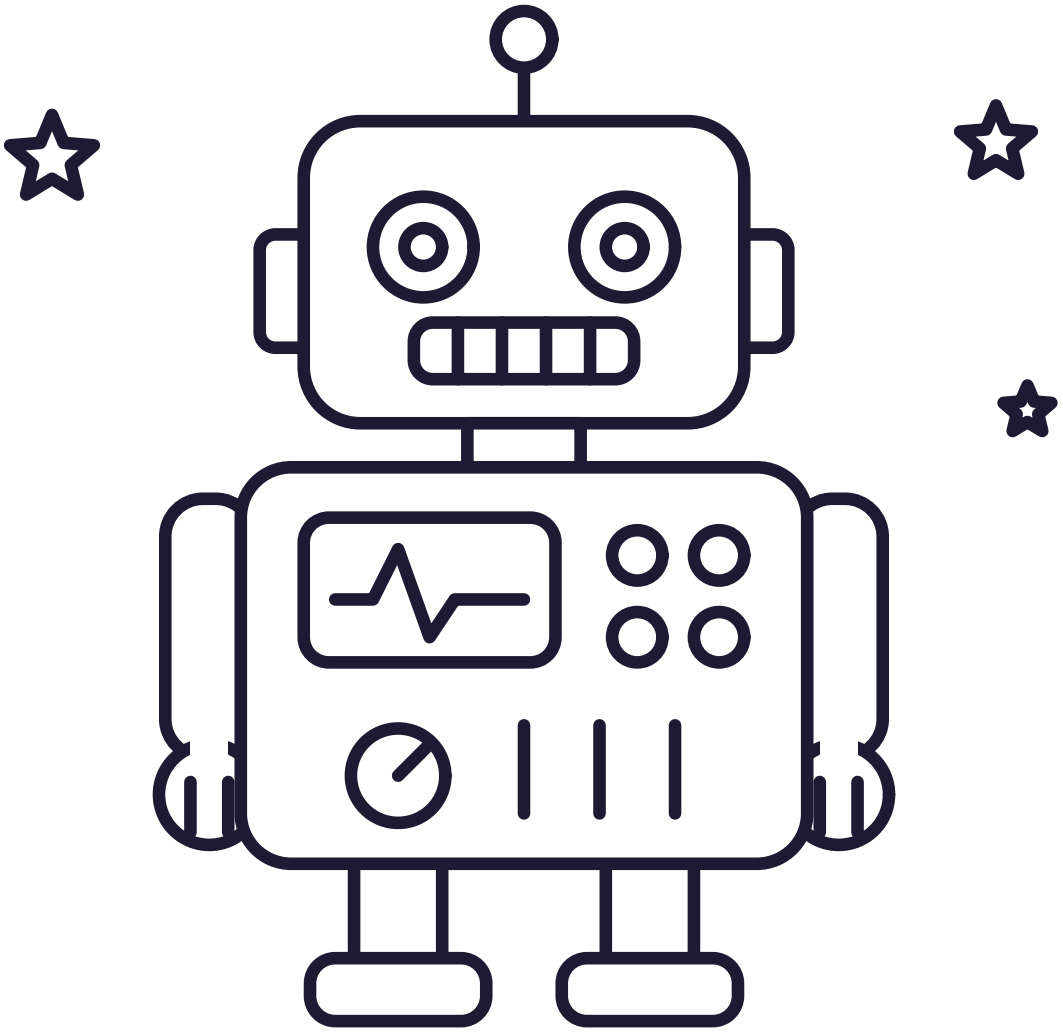
## Inside this pack

1. Coloring page + drawing prompt
2. Word search 9 robots & cars & trucks words
3. Amazing maze + bonus code-breaker
4. Did you know? real fun facts
5. Building / LEGO Bridge Engineer
6. Science Walking Water
7. Craft: Cardboard Box Car + February challenge
8. Certificate + answer key

Print on US Letter paper. Black-and-white printing works great. Grab your crayons!

# Robot Workshop

Color the picture, then finish the scene with your own ideas.



## Drawing prompt

Draw a robot pet for this robot. Give it a name!

# Word Search

Find all 9 robots & cars & trucks words. Words go across and down.

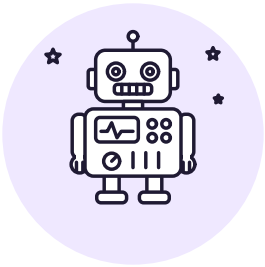
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| D | R | I | V | E | R | S | M | T | R |
| W | T | A | R | V | B | E | G | H | O |
| L | R | S | I | R | E | N | C | C | B |
| M | A | O | V | F | E | S | M | S | O |
| I | I | W | P | M | Y | O | M | E | T |
| M | N | W | J | M | E | R | O | T | M |
| T | R | A | C | T | O | R | T | R | B |
| D | B | G | D | M | K | I | O | U | V |
| U | E | N | G | I | N | E | R | C | R |
| K | B | M | H | I | M | P | J | K | J |

## Word list (cross them off as you find them!)

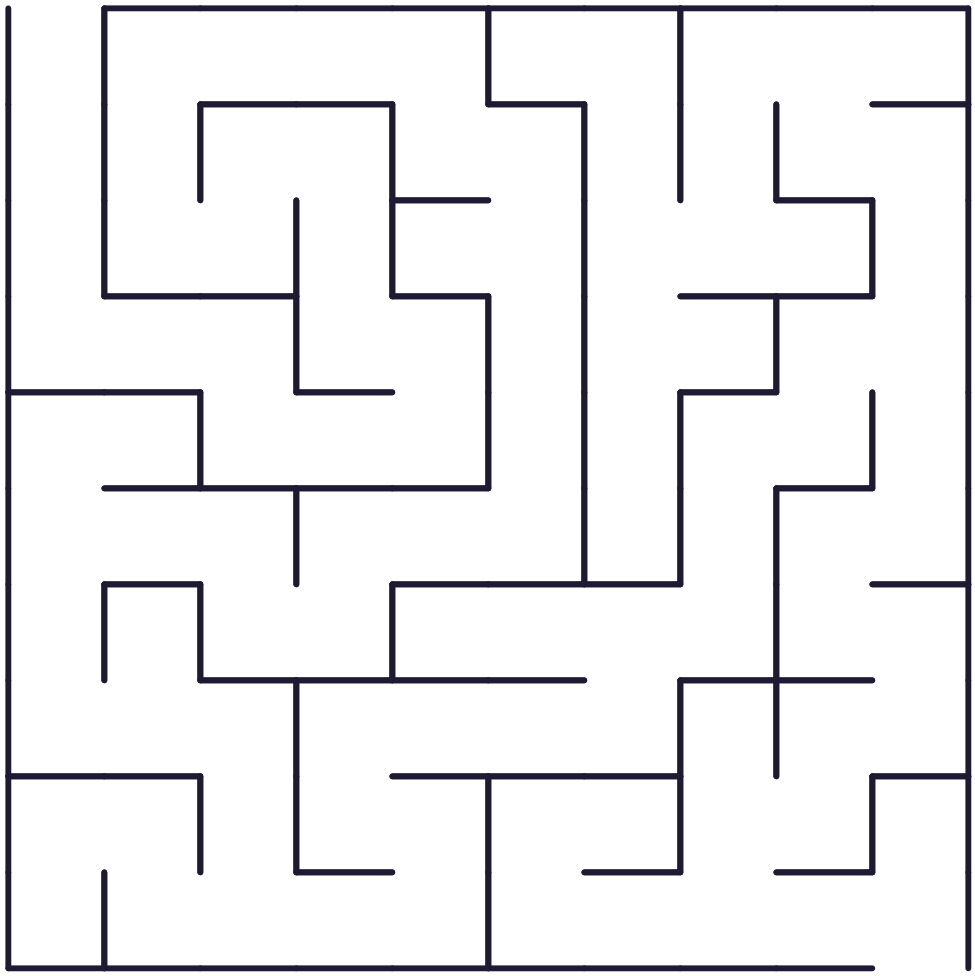
- [ ] DRIVER
- [ ] ENGINE
- [ ] MOTOR
- [ ] ROBOT
- [ ] SENSOR
- [ ] SIREN
- [ ] TRACTOR
- [ ] TRAIN
- [ ] TRUCK

# Amazing Maze

Guide the rover across Mars! Start at the top, finish at the bottom.



ROVER
START →



FINISH

SAMPLE

## Bonus: crack the secret code

Each number is a letter: A=1, B=2, C=3 ... Z=26. What's the hidden word?

19 - 5 - 14 - 19 - 15 - 18

# Did You Know?

Real facts about the things you love. Which one surprised you most?

ROBOTS

Some robots vacuum floors all by themselves.

ROBOTS

Robots in factories help build cars.

CARS & TRUCKS

Some mining dump trucks are taller than a two-story house.

CARS & TRUCKS

Monster truck tires are about as tall as a grown-up.

## Draw your favorite fact!

# Bridge Engineer

Building / LEGO page for Sam · ages 6-8

Build a bridge between two books, then test how many coins it holds before it falls.

1. Put two books a ruler-length apart.
2. Build a bridge across the gap with blocks, LEGO or paper.
3. Gently stack coins in the middle one at a time.
4. Write the number before it falls.
5. Make it stronger and test again!

| Try | What I changed | Coins held |
|---|---|---|
| 1 | | |
| 2 | | |
| 3 | | |

## Sketch your strongest design

# Walking Water

Science page for Sam · ages 6-8

Can water climb? Watch colors travel up paper towels!

**You need:** 3 clear cups · 2 paper towels · Water · Red and blue food coloring

1. Line up the cups. Fill the first and last cups with water.
2. Add red to the first cup and blue to the last.
3. Fold each paper towel into a strip.
4. Bridge each strip from a full cup into the empty middle cup.
5. Check every 30 minutes and record what you see.

| Time | What I see |
|---|---|
| Start | |
| 30 minutes | |
| 1 hour | |
| Next day | |

i Water climbs the towel's tiny gaps. Scientists call this capillary action.

## Draw what happened:

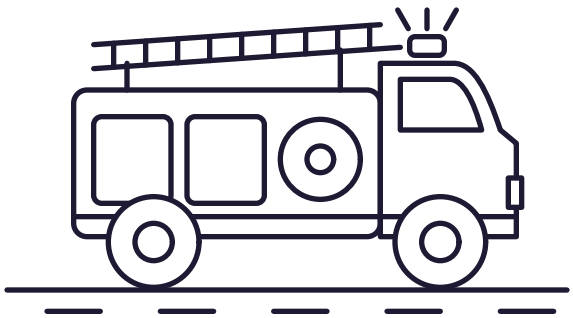
# Make It: Cardboard Box Car

A quick craft with things from around the house. A grown-up helps with cutting.

You'll need: paper, scissors, glue or tape, crayons, plus anything in the steps.

1. Find a box big enough to sit in (or a shoebox for a toy).
2. Cut out the bottom so it's open (grown-up helps).
3. Draw headlights, doors and a license plate.
4. Glue on paper-plate wheels.
5. Add shoulder straps from string or tape and go!

Draw (or tape a photo of) your craft



## February Challenge

Build a ramp and test which toy car goes the farthest.

Color a star each time you do it.

# Certificate of Awesome

This certifies that

## Sam

finished the February Robot Adventure pack
and is officially a puzzle-solving, creative superstar!

Date

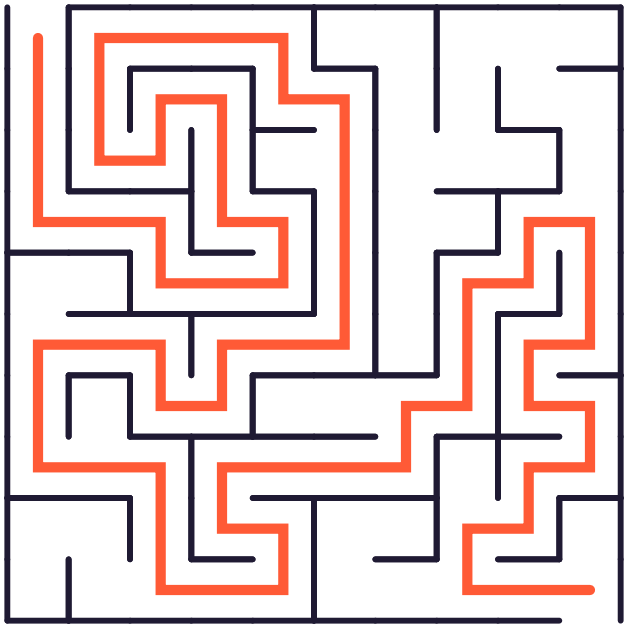
Grown-up signature

# Answer Key

For grown-ups (no peeking!)

| D | R | I | V | E | R | S | M | T | R |
|---|---|---|---|---|---|---|---|---|---|
| W | T | A | R | V | B | E | G | H | O |
| L | R | S | I | R | E | N | C | C | B |
| M | A | O | V | F | E | S | M | S | O |
| I | I | W | P | M | Y | O | M | E | T |
| M | N | W | J | M | E | R | O | T | M |
| T | R | A | C | T | O | R | T | R | B |
| D | B | G | D | M | K | I | O | U | V |
| U | E | N | G | I | N | E | R | C | R |
| K | B | M | H | I | M | P | J | K | J |

Word search



Maze

Bonus answer: SENSOR

Tip: hobby pages and the challenge have no wrong answers. Celebrate effort and ask your child to explain their thinking!