FREE PRINT-&-PLAY PACK

FREE ★

BRAIN BUSTERS · AGES 8–10

Brain-Bending Road Trip Pack

Codes, puzzles & challenges for the drive — with Nova & Cosmo



Print it • Grab a pen • Out-smart the whole car thebrainbus.fm

CHALLENGE ACCEPTED

Ready to bend your brain?

This pack is a proper puzzle-book for the road — crack Cosmo's secret code, hunt hidden words, solve the sudoku and stump the whole car with the trivia. Answer keys are at the bottom of each page... but no peeking until you've had a real go!

👧 **Nova here.** I do the driving — your job is to keep those brains busy all the way there. Deal?

🤖 **Cosmo, reporting for duty!** I hid a secret message and twelve words in this pack. Bet you can't find them all. Beep boop!

1

🖨️

Print it

One copy each if you're racing your crew.

2

✏️

Grab a pen

And maybe a timer to beat your best.

3

🧠

Solve as you go

No screens needed — just pure brain power.

💡 **Grown-up tip:** Slip the pages into a sleeve or **laminate them** with a whiteboard marker — then the whole family can replay on **every trip**.

What's inside

- **Brain Bus Word Search**
- **Cosmo's Secret Code**
- **Road Trip Detective**
- **Number Ninja (Sudoku)**
- **Trivia & Groan-Worthy Jokes**
- **Brain Buster Champion Award**

For grown-ups: The Brain Bus is a screen-free road-trip podcast for kids, split into four age bands so every child rides at their level. This pack is our gift — print it as often as you like. Fresh episodes drop free at **thebrainbus.fm**.

EYES SHARP

Brain Bus Word Search

All 12 words are hidden across, down and diagonally. Circle each one as you find it.

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

NOVA COSMO ROBOT ENGINE WHEELS JOURNEY EXPLORE PODCAST ADVENTURE STARS ROAD MAP

DECODE IT

Cosmo's Secret Code

Every number stands for a letter: A=1, B=2, C=3 … Z=26. Crack Cosmo's message!

A=1 B=2 C=3 D=4 E=5 F=6 G=7 H=8 I=9 J=10 K=11 L=12 M=13 N=14 O=15 P=16 Q=17
R=18 S=19 T=20 U=21 V=22 W=23 X=24 Y=25 Z=26

25	15	21		1	18	5		1		2	18	1	9	14		2	21	19		19	20	1	18

RIDDLE 1

I have wheels and carry a crew, painted bright, I ride with you. What am I?

RIDDLE 2

What has to be broken before you can use it?

Answers: *Secret code → "YOU ARE A BRAIN BUS STAR". Riddle 1 → The Brain Bus. Riddle 2 → An egg.*

OUT THE WINDOW

Road Trip Detective

Real missions for the real road. Grab a pen and start investigating.

🔢 Number-Plate Maths

Spot a number plate and add up all its digits. Can you find one that totals more than 25? Record your best three.

🕵️ Spot & Tally

Make a tally mark every time you spot one of these.

- A red vehicle .....
- Something with 6+ wheels .....
- A bridge or tunnel .....
- An animal .....
- A funny sign .....
- A car the same colour as the bus .....

🧱 Cosmo's Wheel Challenge

How many wheels altogether on **4 cars**, **2 trucks** (6 wheels each) and **3 motorbikes**? Show your working.

Answer: *Wheel Challenge → (4×4) + (2×6) + (3×2) = 16 + 12 + 6 =* **34 wheels**.

NUMBERS 1–6

Number Ninja

Fill the grid so every **row**, every **column** and every **2×3 box** has the numbers 1 to 6 — each used once.

1		3		5	
	5		1		3
2			5		4
5		4		3	
	1		6		5
6		5		1	

🤔 **I'm an odd number. Take away one letter and I become even. What number am I?**

🚌 **A bus sets off with 10 kids. Stop 1: 4 hop off, 3 hop on. Stop 2: 2 hop off, 5 hop on. How many kids now?**

Answers: *Odd number →* **SEVEN** *(remove the "S" → EVEN). Bus riddle →* **12 kids**. *Sudoku → rows read 1·2·3·4·5·6 / 4·5·6·1·2·3 / 2·3·1·5·6·4 / 5·6·4·2·3·1 / 3·1·2·6·4·5 / 6·4·5·3·1·2.*

QUIZ THE CAR

Cosmo's Trivia & Jokes

Read these out and see who knows their stuff — then groan at the jokes.

1. **Which is the largest planet in our Solar System?** .....
2. **How many legs does a spider have?** .....
3. **What is the fastest land animal on Earth?** .....
4. **What gas do plants take in that we breathe out?** .....
5. **How many sides does a hexagon have?** .....
6. **What is the largest animal ever to have lived?** .....

Cosmo's groan-worthy jokes

- Why did the bus stop? Because it saw the zebra crossing!
- What kind of music do robots love? Heavy metal!
- Why did the maths book look so sad? It had too many problems.
- What do you call a bus that can't stop chatting? A chatter-bus!

Trivia answers: *1 Jupiter · 2 Eight · 3 The cheetah · 4 Carbon dioxide · 5 Six · 6 The blue whale.*



OFFICIAL CERTIFICATE

Brain Buster Champion

This certificate is proudly awarded to

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For cracking Cosmo's secret code, hunting down every hidden word, taming the sudoku and out-smarting the whole car. A true **Brain Buster** — welcome to the crew!



Nova	Cosmo
Driver	**Chief Fact Robot**