

ECOCAR MOBILITY CHALLENGE
PUZZLE BOOK



ABOUT US



The EcoCAR Mobility Challenge tasks 11 universities across the country to improve the energy efficiency, safety, and customer appeal of a 2019 Chevrolet Blazer.

This experience provides a real-world training ground for college students to gain hands-on experience following a multi-year vehicle development process to design, integrate and refine efficient mobility solutions. Students are in the driver's seat when it comes to projects as they install monitoring systems and engines, plan projects, and perform tests to check on the Blazer.

The EcoCAR teams put together this book of fun puzzles and activities to show to give insight into our team's experiences.

ARE YOU UP FOR THE CHALLENGE?

Tag us on social media with a photo of you and your completed book!

OUR PARTICIPANTS

Embry-Riddle Aeronautical University
Georgia Tech
McMaster University
Mississippi State University
Ohio State University
University of Alabama
University of Tennessee, Knoxville
University of Washington
University of Waterloo
Virginia Tech
West Virginia University

YOU COULD CALL US SOCIAL



EcoCAR
Mobility Challenge



@ecocarchallenge



@EcoCARChallenge



Green Garage Blog



Website

WORD SEARCH #1

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

WORD BANK

HYBRID
ELECTRIC
AUTONOMOUS
DRIVER
ENGINEERING

TECHNOLOGY
MATH
ECOFRIENDLY
GARAGE
CHALLENGE

BLAZER
AUTOMOTIVE
COMMUNICATIONS
ALL HANDS
SCIENCE

WORD SEARCH #2

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

WORD BANK

VEHICLE

PROPULSION

SAFETY

ENERGY

COMPETITION

UNIVERSITY

INTEGRATION

CONNECTED

PROJECT

MANAGEMENT

HUMAN-MACHINE

USER EXPERIENCE

MODELING

CONTROLS

WORD SCRAMBLE

DECODING CHALLENGE

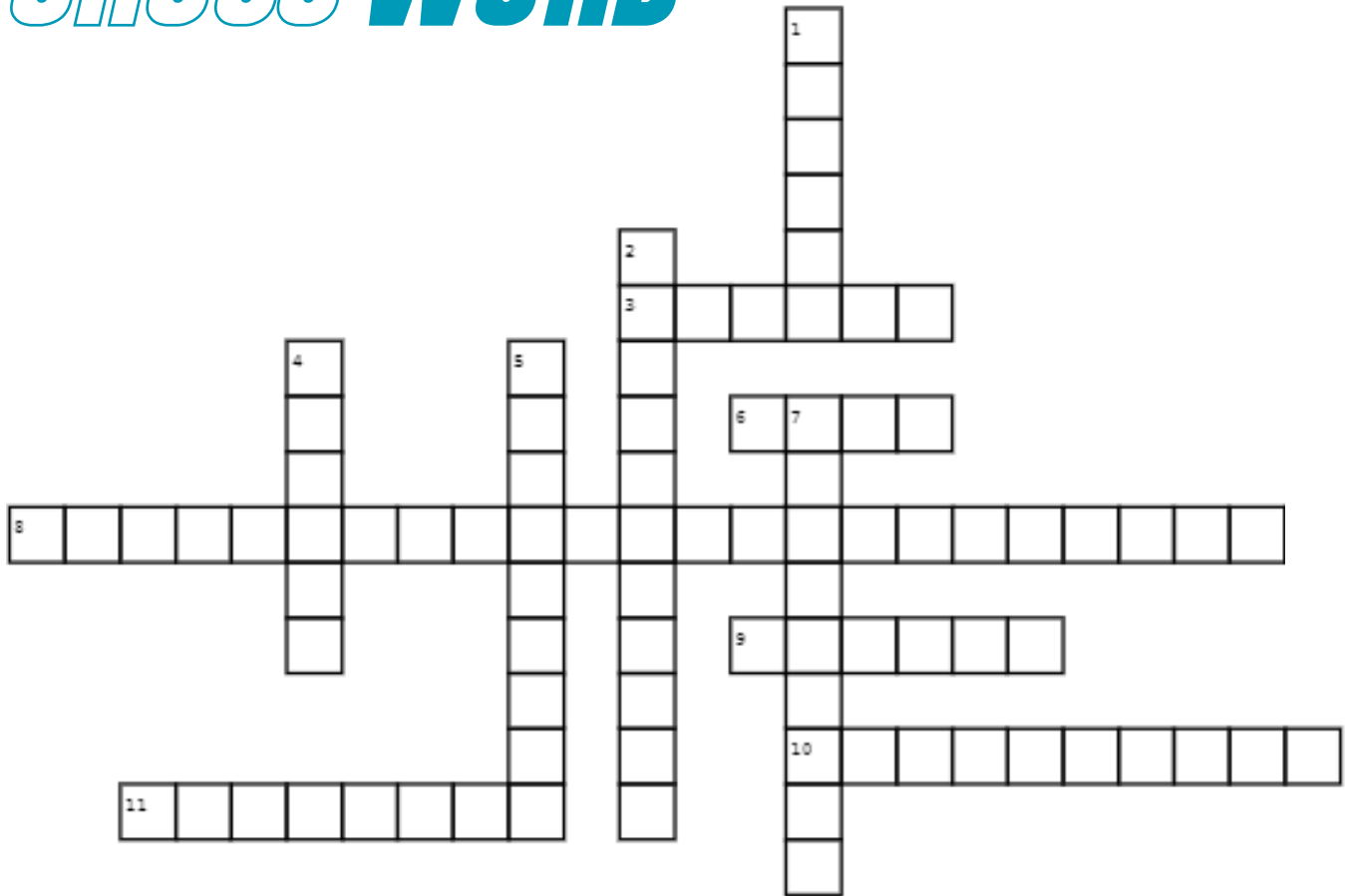
LEEARNG SMOOTR

RWOASTKHM

EORNNGA ATANNOLI AORLOAYBTR

ERDENTPATM FO GEREYN

CROSSWORD



- 1 Park your car here
- 2 Saving the Environment
- 3 Your 9-5pm or 8-5pm, sometimes even have your own schedule.
- 4 A combination of things, like electricity and gas
- 5 They send people to the moon, build cars, and enhance technology
- 6 Science Technology Engineering, and Math
- 7 Who leads the teams?
- 8 Competition with 11 colleges and universities working on a vehicle
- 9 Chevrolet _____
- 10 Sensing its environment and operating without human involvement
- 11 Provides funding and support

SUDOKU #1

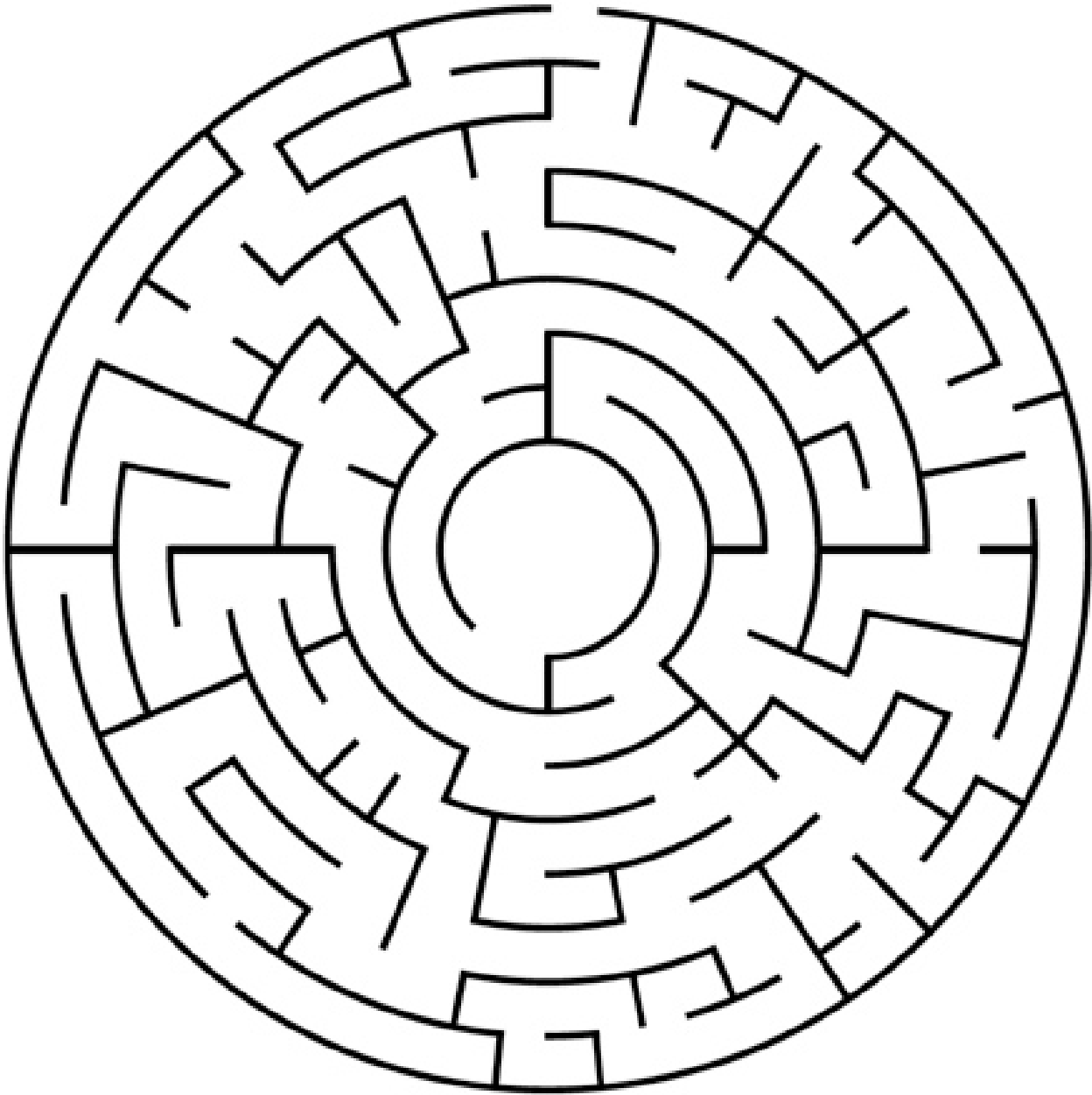
1		6		7	8		3	
	5	7	3	4	9		6	2
2	9	3	6		5			7
			8		1	6		4
4	6	1				2	8	9
5	8			6	4	3		
7	3	4	1	9	6	5		8
6	1	8	7		2	4	9	3
				8			1	

BUILD YOUR OWN **DREAM CAR**

KEEP THESE TERMS IN MIND: HYBRID, ECOFRIENDLY AND AUTONOMOUS



RACETRACK MAZE



TRY NOT TO PEEK

SODOKU

1	4	6	2	7	8	9	3	5
8	5	7	3	4	9	1	6	2
2	9	3	6	1	5	8	4	7
3	7	9	8	2	1	6	5	4
4	6	1	5	3	7	2	8	9
5	8	2	9	6	4	3	7	1
7	3	4	1	9	6	5	2	8
6	1	8	7	5	2	4	9	3
9	2	5	4	8	3	7	1	6

WORD SCRAMBLE

LEEARNG SMOOTR

General Motors

RWOASTKHM

Mathworks

EORNNGA ATANNOLI AORLOAYBTR

Argonne National Laboratory

ERDENTPATM FO GEREYN

Department of Energy

CROSSWORD



ECOCAR MOBILITY CHALLENGE
PUZZLE BOOK

