



Electric School Buses ACTIVITY BOOK

A Healthier Ride

Cleaner, healthier rides to school for students.



NYSERDA
Clean Transportation

Electric School Buses

INTRODUCTION

Do you ride a school bus to get to school?

If so, you should know that New York State is switching to electric school buses (ESBs), which reduce pollution in your community.

Maybe your school bus driver is already driving you to and from school in an electric school bus. If so, that's great! You've already experienced what it is like to ride in a battery-powered school bus compared to a diesel- or gasoline-powered bus. It's quiet inside the bus, and there are no smelly fumes. There is more fresh air to breathe.

Haven't been on an electric school bus yet? You may be soon! More and more schools are using electric school buses, and adding charging stations to plug in to and give them power.

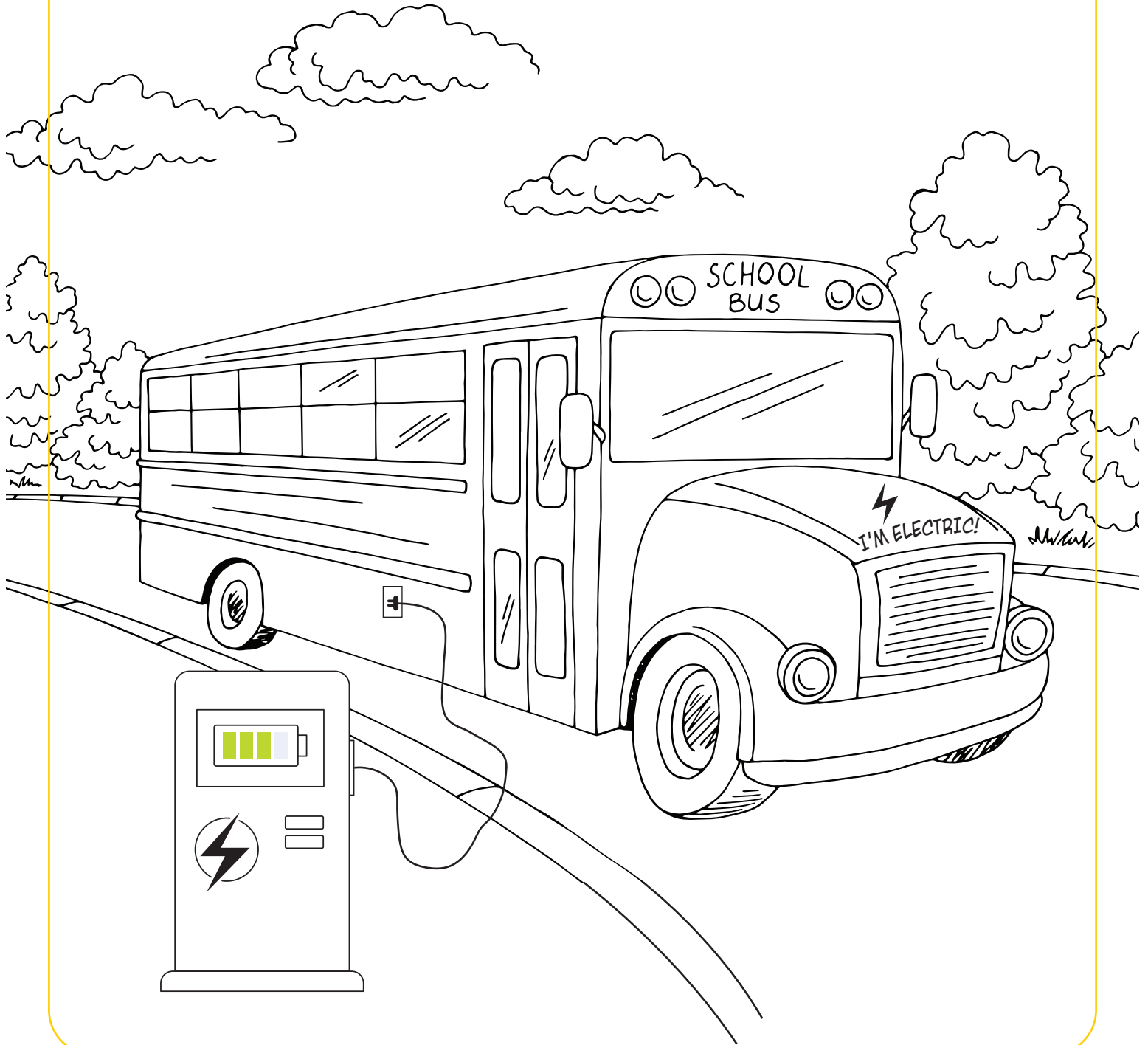
Use this activity book about electric school buses to understand a little more about them and how they are better for you.

For additional information, visit nyscrda.ny.gov/ride-clean-kids.



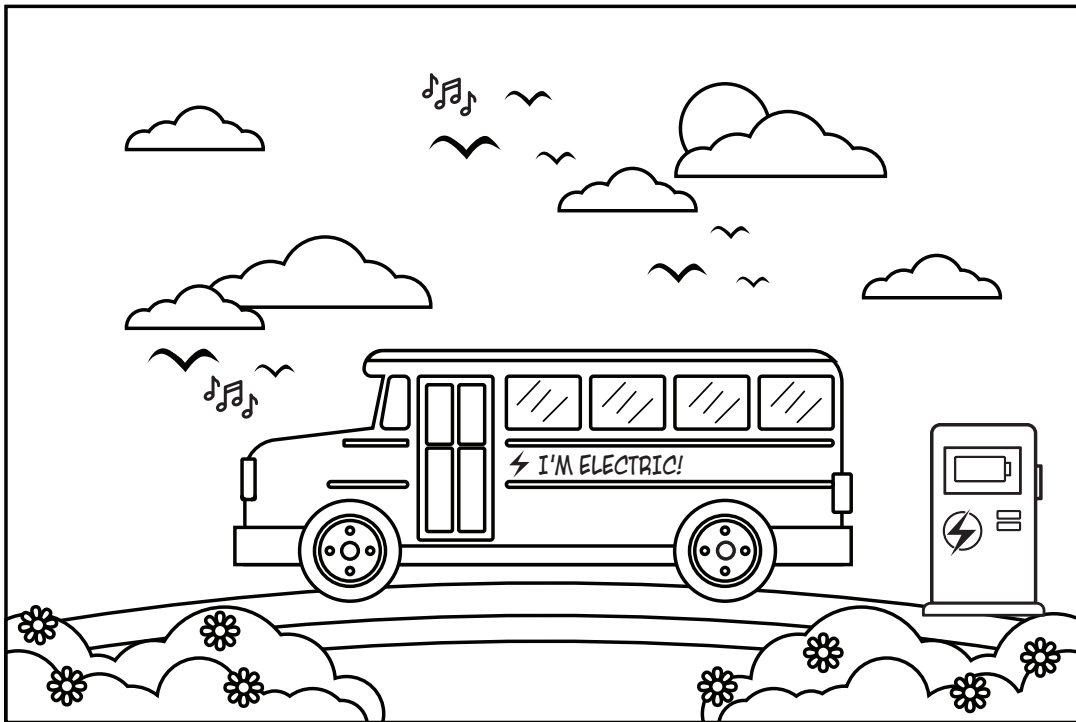
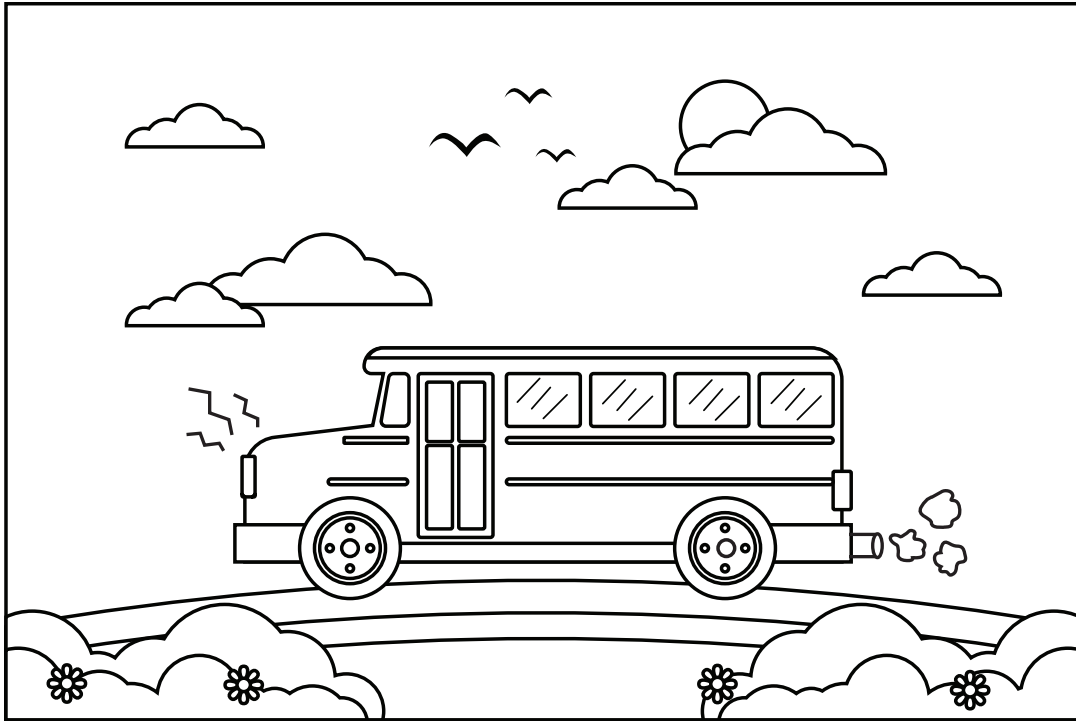
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COLOR THE BUS



Electric School Buses

FIND THE DIFFERENCES



Electric School Buses

WORD SEARCH

Find these words and phrases in the collection of letters below and circle them:

- ESB
- Battery
- Charging station
- Healthy
- No pollution
- Quiet
- Ride clean
- Plug In
- Students
- Electric

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

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POWER ME UP!

This electric school bus has finished its bus route after a very busy day, picking up dozens of students at so many stops, taking them to their school, and bringing them home. This bus was swift, quiet, and safe. Electricity from the bus battery gave the bus its power, and when the bus driver used the brakes to slow down, a little bit of power was given back to the battery through something called “regenerative braking.” But the bus needs to charge its battery fully now that the school day is over. **Help this hard-working and emissions-free electric school bus find its battery charger.**



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SILLY STORY

Complete the sentences to create a funny story. Get with a partner and take turns thinking of the kind of words asked for in the blank spaces. Then read the completed story to each other!

It was a school day and _____ was excited to start the day. "I can't wait to see my friends and my teacher, _____. I need to get my _____ packed with the things I need for school. Not just pencils and paper and my lunch, but also my _____."

(NAME OF PERSON) (NAME OF TEACHER) (NOUN) (PLURAL NOUN)

The school bus pickup area was filled with other kids ready to be picked up. They could see the school bus coming up the street. It was big and yellow and had a quiet engine and no smelly exhaust. That's because it was an electric school bus, which is powered by a battery. The engine battery gets recharged by a charger at the school.

"I love this bus!" said _____. "It is quiet, clean, and comfortable. I wonder what _____ things my friends haven't told me yet that I will hear about on this _____ ride to school. I'll finally be able to hear them since we won't have to shout over the sound of the diesel engine!"

(NAME OF PERSON) (ADJECTIVE) (ADJECTIVE)

With that, the school bus driver turned on the safety lights and put out the red STOP sign to alert the other _____ travelers on the road that children were about to get on the bus. The kids all picked up their bags, waved hello to the _____ bus driver and went on the way to their _____ school.

(ADJECTIVE) (ADJECTIVE) (ADJECTIVE)



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NOTES

Use this space to write down what you learned about electric school buses. What new things did this activity book help you learn? What do you find to be most exciting and interesting about riding an electric school bus? Make a list of other things you use at home or at school that have batteries inside them.

THINGS WITH BATTERIES

(add more!)

- Computers
- Tablets
- Cell phones
- _____
- _____
- _____
- _____
- _____

Your next stop for more information about electric school buses:

Visit nyscrda.ny.gov/ride-clean-kids



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