



# 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.

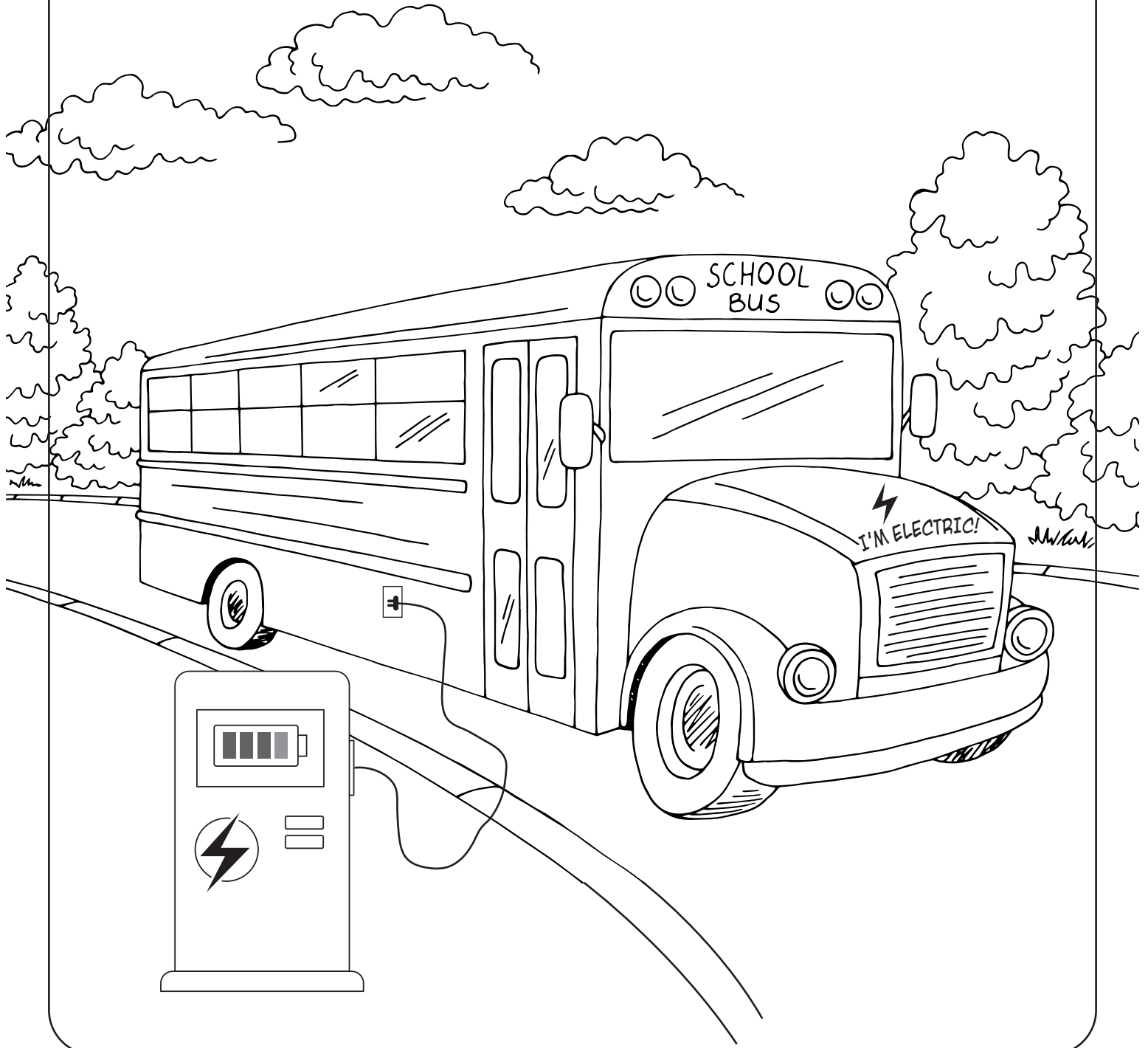
**Use this activity book about electric school buses to understand a little more about them and how they are better for you.**

*For additional information, visit [nyscrda.ny.gov/ride-clean-kids](https://nyscrda.ny.gov/ride-clean-kids).*



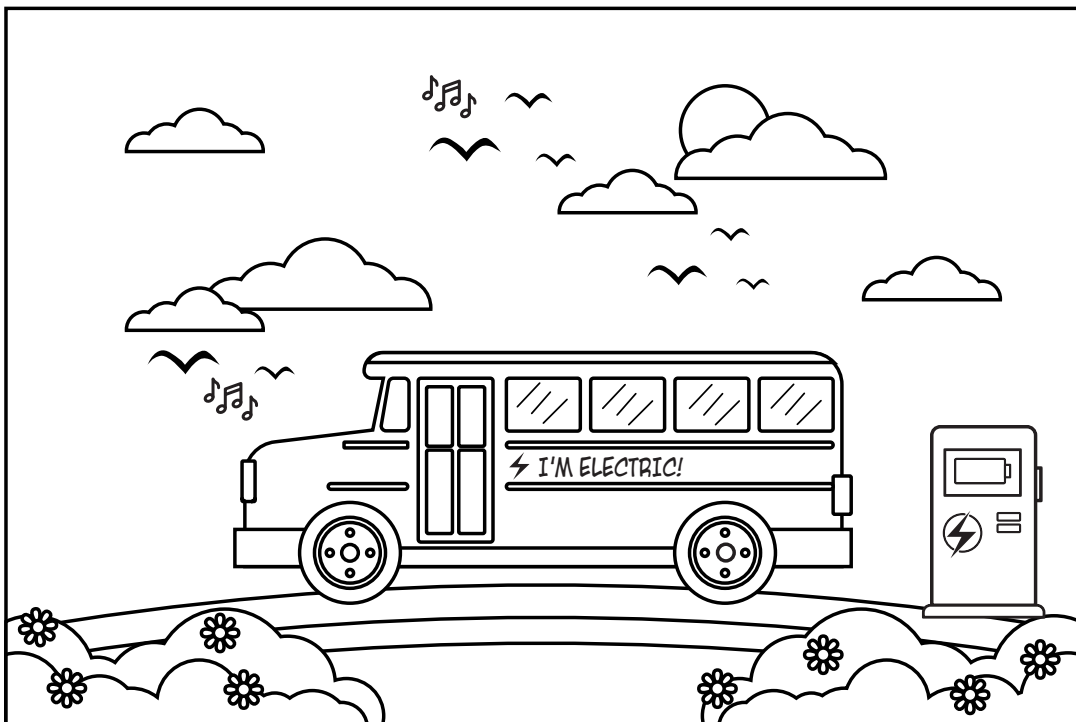
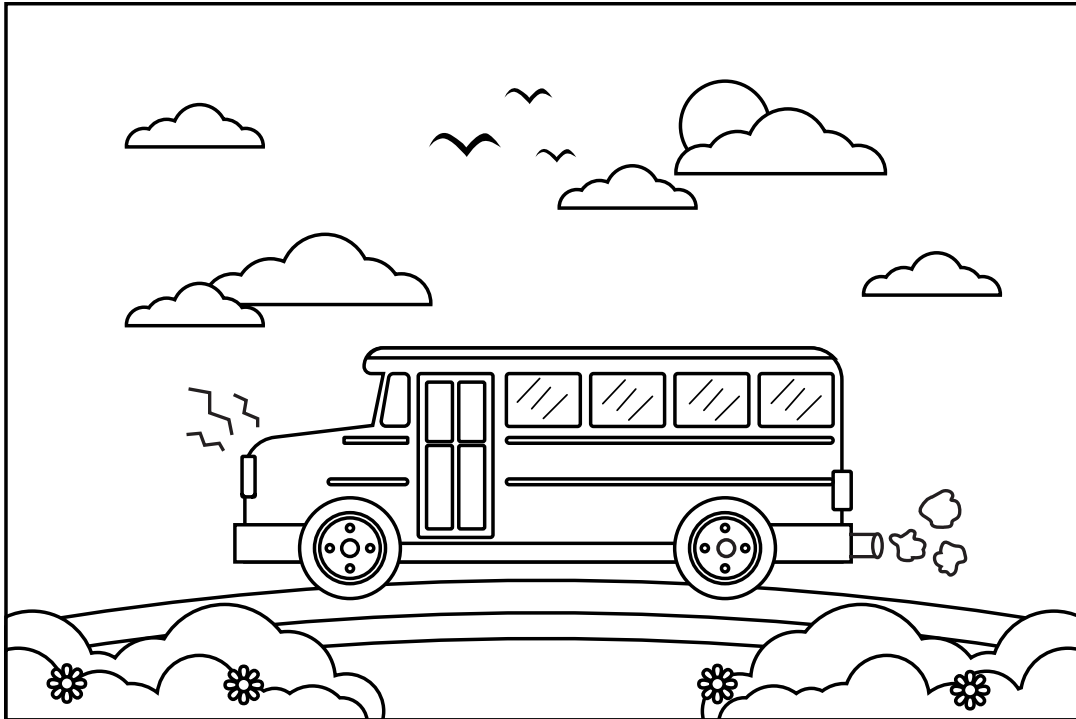
# Electric School Buses

## 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:

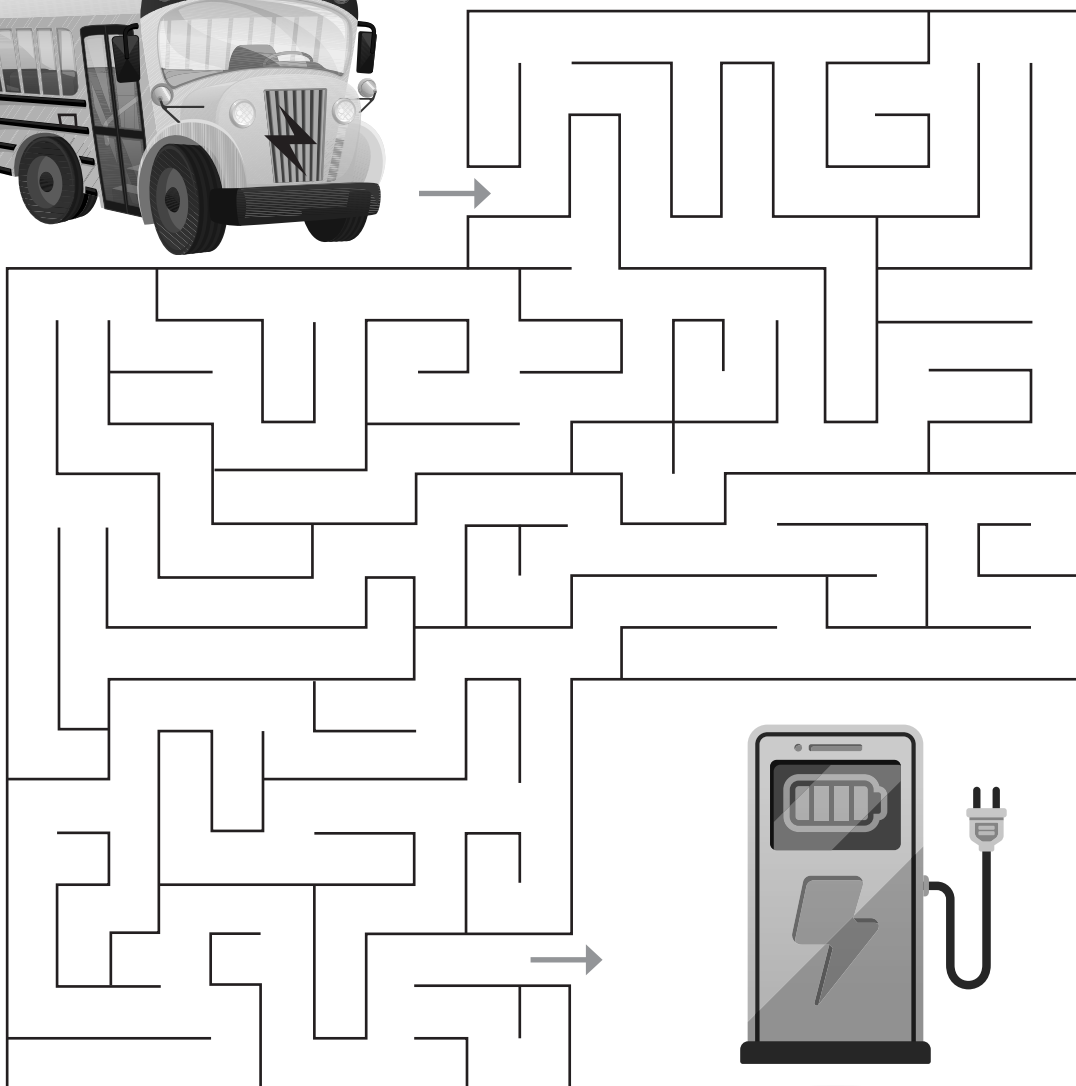
- ESB
- Battery
- Charging station
- Healthy
- No pollution
- Quiet
- Ride clean
- Plug In
- Students
- Electric

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

# Electric School Buses

## 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.**





# Electric School Buses

## 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 [nyserderda.ny.gov/ride-clean-kids](http://nyserderda.ny.gov/ride-clean-kids)



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