



Let's Go Idle-Free!

Reducing Idling Around Our School



What is Idling?

Idling happens when a vehicle's engine is running, but the car isn't moving, such as while:

- Waiting in the school pickup line
- Stopping for a few minutes with the engine still on

If you're stopped for more than 10 seconds, turn your engine off!



Why Stop Idling?



1. Health

Emissions can
hurt young lungs

2. Environment

Less pollution and
better air quality.

3. Safety

Fewer cars =
safer streets.

4. Money

Idling wastes fuel.

Knowledge Check #1: Idling

What does idling mean?

- A) When a car is parked and the engine is turned off
- B) When a car's engine is running, but the car isn't moving
- C) When a car is driving very fast
- D) When a car is stopped at a red light with the engine off



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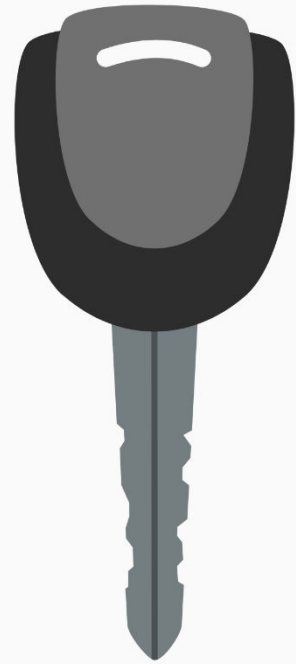
What is an Idle-Free School?

An **idle-free school** is a place where parents, staff, and bus drivers work together to **reduce unnecessary idling** on school property.

Together, we can build **healthier, cleaner school environments** for everyone.



Core Messages



TURN

The key and turn
your car off.



MOVE

Away from the curb.



WALK

Part of the way

Activity: Let's Measure Idling!

As adapted from the ASRTS Anti-Idling Toolkit

Goal: Track how many cars idle at the kiss and ride drop-off, how long they idle, and calculate fuel wasted and CO₂ emitted.



Materials

For this activity you will need:

- Kiss & Ride idling data worksheet
- Pencil or pen
- Clipboards
- Stopwatch
- Calculator





Step 1: Observe and Record

- Choose a 10-minute observation period
- Count:
 - Number of cars and buses idling
 - How long each one idles

Tip: Work in pairs – one records, one observes

Step 2: Conversion Factors

Use the following conversion factors to calculate the amount of fuel wasted and CO2 emitted by each vehicle

Vehicle Type	Fuel Wasted /10 min	Fuel Wasted /min	CO2 Emitted /10 min	CO2 /min
Car	0.1 L	0.01L	0.24 kg	0.02 kg
Bus	0.67 L	0.067L	1.9 kg	0.19 kg

Example

Vehicle Type	Fuel Wasted /10 min	Fuel Wasted /min	CO2 Emitted /10 min	CO2 /min
Car	0.1 L	0.01L	0.24 kg	0.02 kg
Bus	0.67 L	0.067L	1.9 kg	0.19 kg

A car idles for 3 minutes $\rightarrow 0.01 \times 3 = 0.03$ L of fuel wasted, $0.02 \times 3 = 0.06$ kg CO₂ emitted

A bus idles for 7 minutes $\rightarrow 0.47$ L fuel wasted, 1.33 kg CO₂ emitted

Knowledge Check #2: Calculations

Vehicle Type	Fuel Wasted /10 min	Fuel Wasted /min	CO2 Emitted /10 min	CO2 /min
Car	0.1 L	0.01L	0.24 kg	0.02 kg
Bus	0.67 L	0.067L	1.9 kg	0.19 kg

If two vehicles, a car and a bus, both idle for 5 minutes, how much CO₂ is emitted?

- A) 1.07 kg
- B) 0.24 kg
- C) 2.14 kg
- D) 0.107 kg



Knowledge Check #2: Calculations

If two vehicles, a car and a bus, both idle for 5 minutes, how much CO₂ is emitted?

A) 1.07 kg

B) 0.24 kg

C) 2.14 kg

D) 0.107 kg

Car: $0.24 \text{ kg}/2 = 0.12 \text{ kg}$

Bus: $1.9 \text{ kg}/2 = 0.95 \text{ kg}$

Total = $0.12 \text{ kg} + 0.95 \text{ kg} = 1.07 \text{ kg CO}_2$ emitted

1.07 kg would weigh about as much as a **pineapple** – but it would fill a HUGE amount of space because it's a gas!



Step 3: Summarize Your Data

Make note of:

- Total vehicles observed
- Total fuel wasted
- Total CO₂ emitted



Example:

“During a 10-minute Kiss & Ride observation, 12 cars idled for an average of 5 minutes. That’s 0.6 L of fuel wasted and 1.44 kg of CO₂ released — just in 10 minutes!”

Step 4: Think-Pair-Share

Think: On your own think about why it's important to turn off your engine instead of idling when you're parked or waiting.

Pair: Discuss with a partner what drivers could do *instead* of idling and how that small action could make a difference.

Share: After discussing with your partner, share one reason with the class why turning off the engine helps keep our air cleaner and our community healthier.

Knowledge Check #4: Idling Prevention

Which of the following are good ways to avoid idling?

- A) Remind drivers to turn off their engine when waiting to pick someone up
- B) Park and walk the last 5-10 minutes to school
- C) Turn off the car when stopped
- E) All of the above



Knowledge Check #4: Idling Prevention

Which of the following are good ways to avoid idling?

- A) Remind drivers to turn off their engine when waiting to pick someone up
- B) Park and walk the last 5-10 minutes to school
- C) Turn off the car when stopped
- E) **All of the above**



Thank You!

Have any Questions?

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Visit: <http://activesaferoutes.ca/>

CREDITS: This presentation template was created by [Slidesgo](#), and includes icons & images by [Canva](#)

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Clean Air Partnership. [Idle-Free Campaign Kit](#)

