

småles matters

BUG NEWS



Summer 2021



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Hej småles!

Hot breeze on the skin, sun in the eyes, grab your heart-shaped sunglasses because it's time for the Summer! Lots of people love travelling nowadays by aeroplanes, trains and ships but have you wondered how they travelled many centuries ago? Join us for an exciting journey starting from page 4.

Do you know travel behaviours can cause environmental impact such as air pollution to our planet? Check out page 19 to see what we can do to help.

We hope you learn fun things, and have a fun and refreshing Summer!

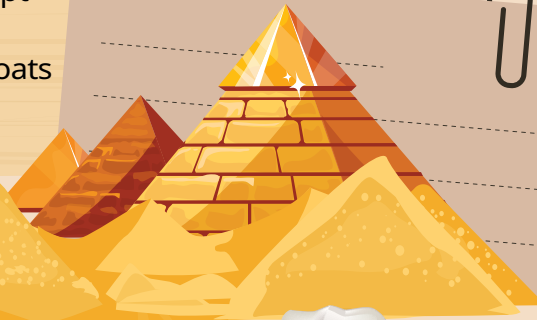
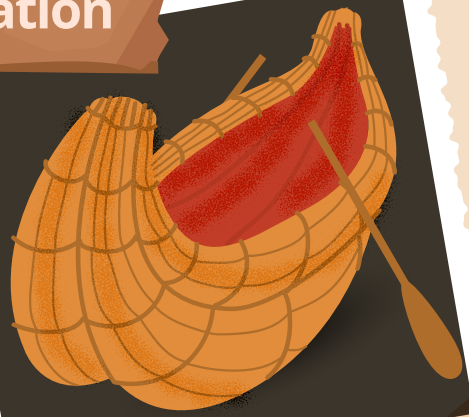
**With Big Bug hugs,
Sara**



Ancient mode of transportation

Reed boat

Just as its name suggests, this boat with its signature pointy ends are made from bundles of reed tied together. It was commonly used in Ancient Egypt around 7,000 BCE but in some countries such as Peru, reed boats are still being used.



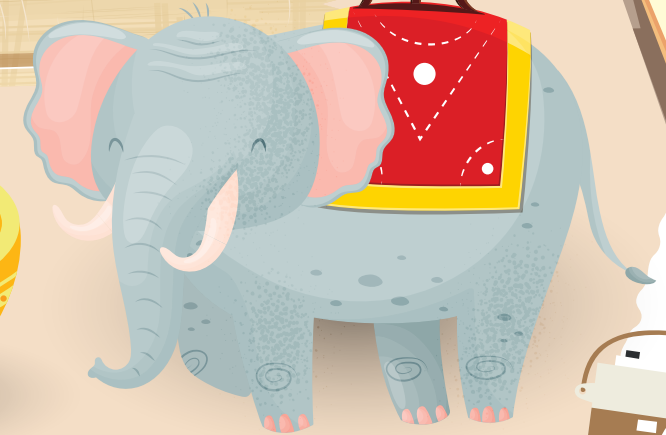
Horse-drawn carriage

Chariots were invented as early as 3000 BC. The body of the chariot had two wheels and was pulled by a horse or two. It had the capacity to carry up to two people at one time.



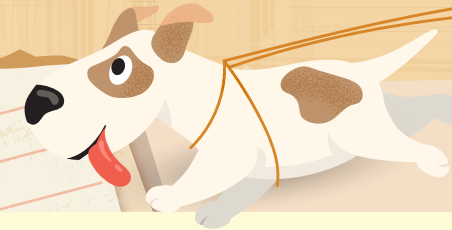
Elephant carriages

4000 years ago, elephants were trained for domestic and transportation purposes and today, they play a huge part in Thailand's tourism.



Dog sled

Archaeological evidence dating back to 1,000 AD revealed that the Inuit people invented dog sledding and it was later widely used in the continent. Back then, it started off with just one dog pulling the whole sled!

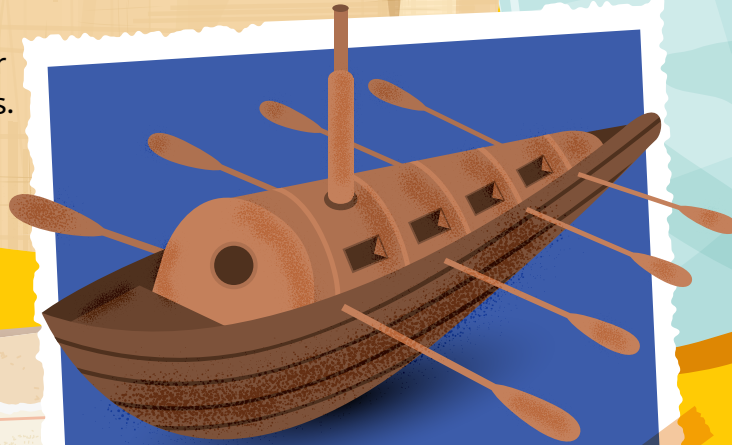


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First Transportation Inventions

First Submarine

In 1620, Cornelis Drebbel, the Dutch engineer, invented the first submarine that could submerge to 15 feet under the Thames river for up to 3 hours.



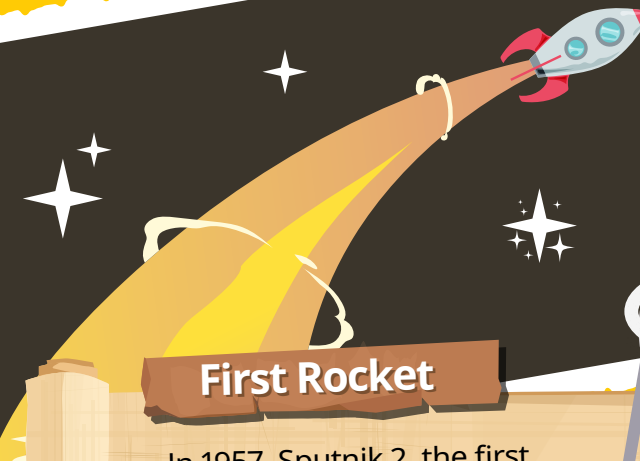
First Air Balloon

In 1783, the Montgolfier brothers experimented the first hot air balloon flight up above Versailles, France. They even demonstrated the flight again to King Louis XVI.



First Rocket

In 1957, Sputnik 2, the first rocket was launched with a dog named Laika on board.



First Bullet Train

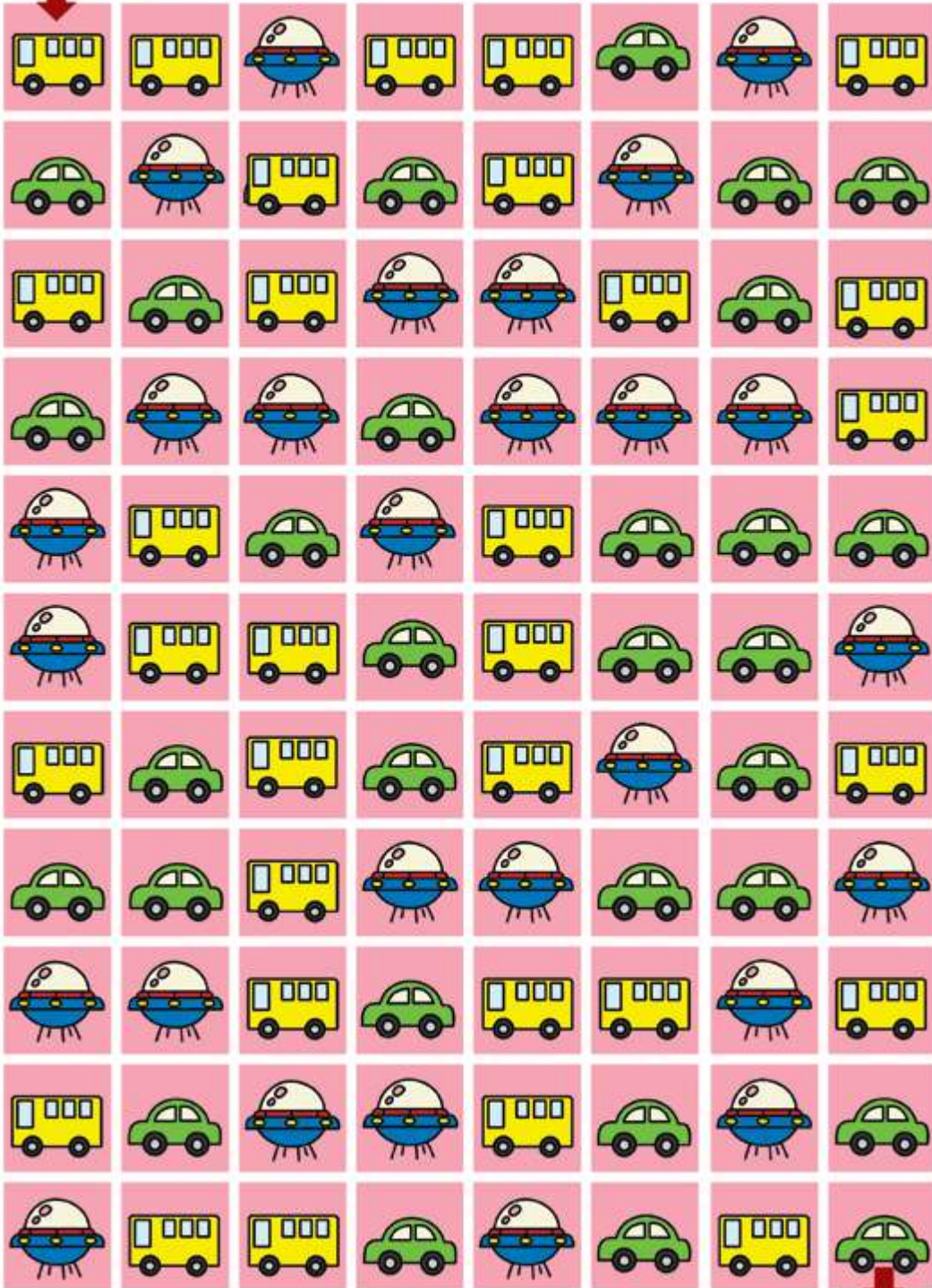
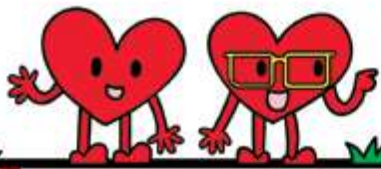
In 1964, the bullet train or Shinkansen was introduced with a speed of 210 km/h. Today, you can travel from Tokyo to Osaka within 2 hours and 30 minutes.



Sources:

<https://newatlas.com/cornelis-drebbel-built-three-submarine-in-the-1620s-they-all-worked/3715/>
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Draw the correct path by the pattern



Art & craft - DIY

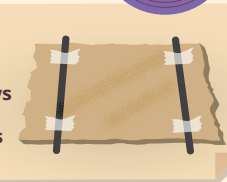
Wind-powered Balloon Car

-Parental help required-

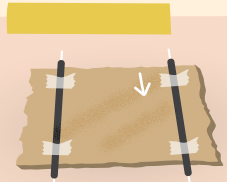
Before starting to build the balloon car, you will need your parent's help to use the scissors and poke a hole in the centre of each bottle cap.

Steps:

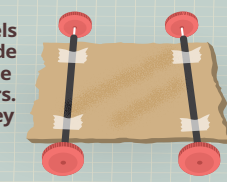
1. Tape the straws to the edge of the cardboard. Make sure that the straws are straight and parallel to the ends of the cardboard



2. Slide the skewers into the straws. You should have about 1/2 inch sticking out of each end.



3. Attach the wheels to the skewers. Slide the wheels onto the ends of the skewers. Make sure that they don't touch the cardboard, or they may get stuck.



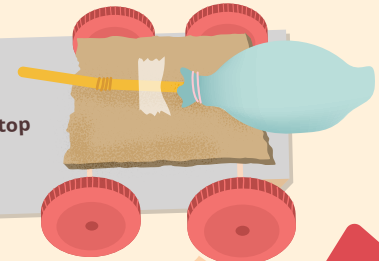
4. Tuck a straw into a balloon and tape it in place. Slide a straw into a balloon by 2 inches (5.08 centimeters). Wrap some tape in a tight spiral around the end of the balloon.



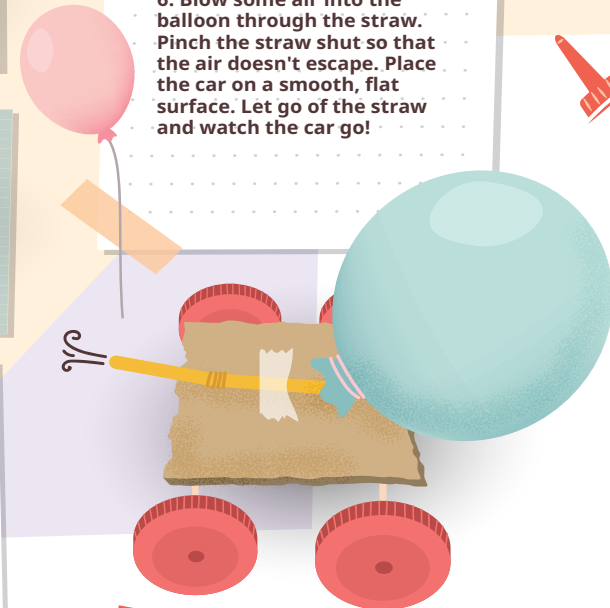
Materials:

- 1 of 3 x 6-inch Cardboard
- Scissors (Have an adult supervision for use of the tools)
- 2 of 4-inch wooden skewers
- 2 of 3-inch straws and 1 regular-sized straw
- 1 balloon
- Tape
- 4 plastic bottle caps

5. Tape the straw to the top of your car.



6. Blow some air into the balloon through the straw. Pinch the straw shut so that the air doesn't escape. Place the car on a smooth, flat surface. Let go of the straw and watch the car go!



10 Unique types of transportation around the world

There are lots of unique methods of transportation around the world. We have selected 10 unique types of transportation in the world. Let's see if you have been in any!



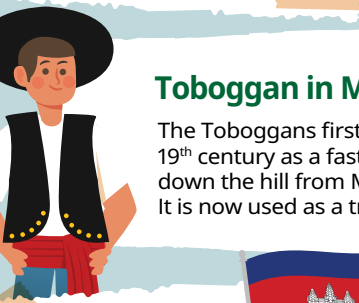
Coco Taxi in Havana, Cuba

These yellow taxis shaped like hollow coconuts can be seen in Havana and in Varadero. They are faster and less expensive than regular taxis. Locals use the black taxis, while yellow ones are used by tourists.



Reindeer Sled in Lapland, Finland

Reindeer sledding is the oldest form of transport in the north, and an ancient part of Sami culture.



Toboggan in Madeiran, Portugal

The Toboggans first originated in the early 19th century as a fast and fun way of getting down the hill from Monte to Funchal. It is now used as a transportation for tourists.



Bamboo Train in Battambang, Cambodia

Cambodian bamboo trains (known as nori) are made up of an electric generator and a makeshift bamboo platform as seating. They run along the railway tracks at the speed of up to 40 km/h.



Maglev in Shanghai, China

The train has actually exceeded 500 km/h in testing. It can travel 19 miles in 7 minutes!



Tuk-tuk, Thailand

Tuk-tuks or 'sam lor' (three-wheeled) were commonly used as a way of getting around Bangkok before the train and colourful taxis took over.



Felucca on Nile and The Red Sea, Egypt

Feluccas are traditional wooden sailing boats used on the Nile and the Red Sea in Egypt. Their lateen-rigged sails move the boat in a slow pace.



Suspension Railway in Wuppertal, Germany

Its full name is "Electric Elevated Railway Installation, Eugen Langen System". It is considered the oldest electric elevated railway with hanging cars in the world!



Cyclo, Vietnam

The cyclo is a three-wheel bicycle taxi that appeared in Vietnam during the French colonial period.



Where do the old cars go?

The Problem with Car Trash

Old cars are a huge contributor to overflowing landfills. It could take up to 1,000 years for a car to decompose and the decomposition process itself also pollutes the soil with rot, rust, synthetic liquids, and other toxins.

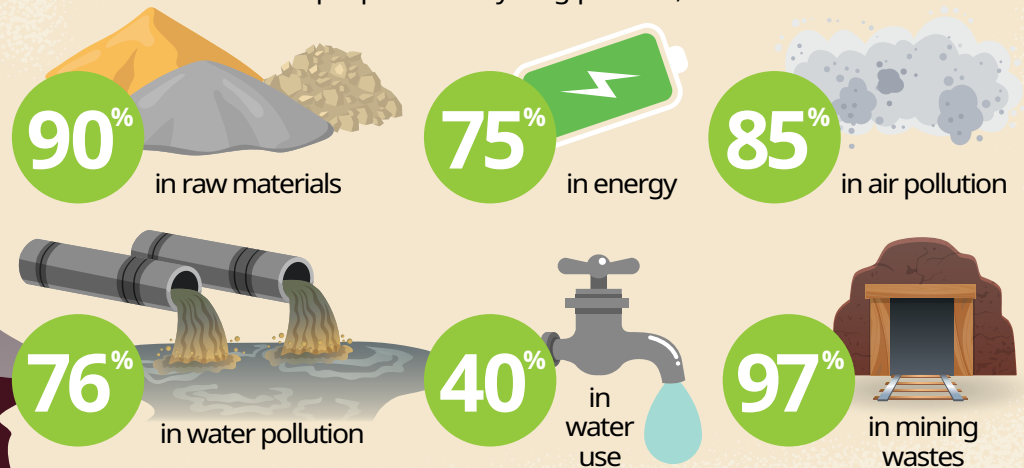
The Benefits of Recycling



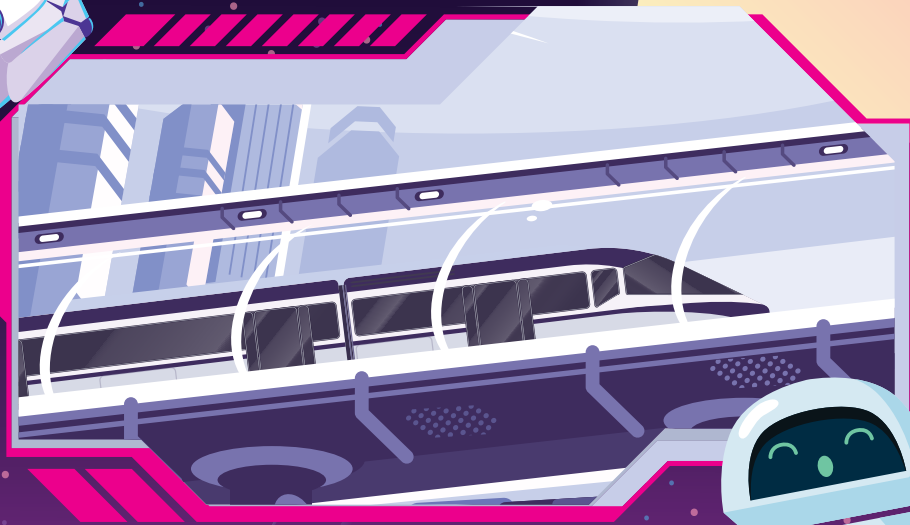
Cars should be recycled since 90 percent of car parts can be recycled.

Metals can be purified and reused, rubbers can be recycled, glasses and plastics can be melted down and reformed, and even liquids can be neutralised or reused.

Recycling can save on the world's non-renewable resources. With proper car recycling process, we can save:

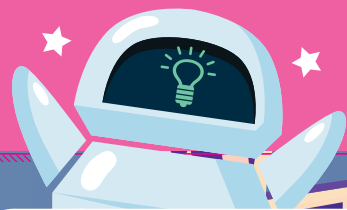


Future of Transportation



Hyperloop

Have you ever heard of a hyperloop? It is a very new and exciting kind of technology! The idea is that if you have a tube and take all the air out, then anything travelling through the tube could go much faster since there would be no air resistance to slow it down. For example, a hyperloop train could whizz people along at more than 1000 km/h, meaning you could cross all of Europe in just a few hours! The hyperloop will be eco-friendly compared to a lot of current transportation. Most plans for building the hyperloop use solar power to run the system.



Source: <https://yourstory.com/mystory/six-future-transportation-technologies-future>
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<https://www.npr.org/transcripts/536883330>

Flying Taxi

Could you imagine flying taxis flying around over the place? The dream of flying taxi is about to become a reality! The flying taxis look a little like flying eggs and they don't have pilots. The little flying taxis know where to go by using very sophisticated technology inside. There're computers that are connected to satellites floating up in space. And these satellites can send signals to the flying taxis to tell them exactly where to fly. The flying taxis will probably be able to drop you off high up in the sky such as on the top floor of buildings. An example of such a flying taxi is Volocopter, an autonomous aircraft with electric power in Dubai.



Self-driving Car

A self-driving car (also called autonomous car or driverless car) is a vehicle that can travel without the need for its driver to always be in control of the car's movement. The car uses sensors to understand what's around it and doesn't need a human's help. You will have time to do almost anything while on the road such as eating, reading, playing games or even sleeping behind the wheel. That's a good idea, isn't it?





Air Pollution



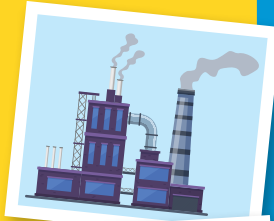
What is air pollution?

Air pollution happens when solid and liquid particles called **aerosols** and certain gases end up in our air. These particles and gases can harm the planet and our health.

Where do aerosols come from?

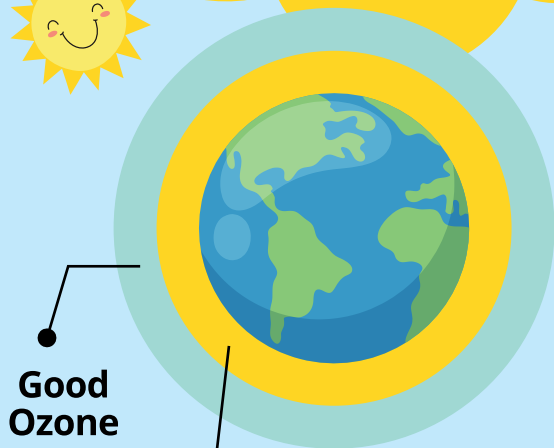
These particles can come from many sources, including car exhaust, factories and even wildfires. Some of the particles and gases come directly from these sources, but others form through chemical reactions in the air.

Aerosols can come from other places, too, such as ash from an erupting volcano. Dust, pollen from plants and mold spores are also examples of aerosols.



What else causes air pollution?

Certain gases in the atmosphere can cause air pollution. For example, in cities, a gas called **ozone** is a major cause of air pollution.



Ozone is also a greenhouse gas that can be both good and bad for our environment. It all depends where it is in Earth's atmosphere.

Ozone high up in our atmosphere is a good thing because it helps block harmful energy from the sun (radiation).

However, the ozone that is closer to the ground can create negative impact for our health. Ground level ozone is created when sunlight reacts with certain chemicals that come from sources of burning fossil fuels, such as factories or car exhaust.



Things you can do for the air we breathe

Here are some things you can do every day for the air we breathe:

Walk or ride your bike to school

Don't ask to be driven to places if it's not really necessary. If you are going somewhere nearby, try to walk or ride your bicycle. Invite your parents along to get a great exercise! The more vehicles we can keep off the roads, the better our air will be.



Encourage your family to drive clean

Help to organise a carpool to get to and from sports and other activities and events.

Ask your parents to turn off the engine instead of idling while waiting.



Turn off the lights

Generating electricity contributes to smog, so remember to turn off the lights when you leave a room.



Avoid chemical sprays and cleaners

Hair and bug spray, air fresheners and even nail polish remover contain chemicals that add to air pollution.

Ask your family member to use more of non-aerosol products like plant-based insect repellent and air fresheners.



INBOX @ SMALES



Last issue's theme:

Sara and Bugbug are swimming at the beach while enjoying the beautiful sunset. Draw your most creative and unimaginable sunset view. A sunset that nobody has seen before.

Best Drawing



Advaita Bharadwaj, 10 years old

Best Drawing



Tan Xin Yi, 9 years old

Sara and Bugbug are going to town for grocery shopping. Draw your most creative vehicle you think they go with.

Include your name, age, Smålish passport number and address, and send your drawing to sara@smales.com.my or **smales, No.2, Jalan PJU 7/2, Mutiara Damansara, 47800 Petaling Jaya, Selangor** by **30 July 2021**.
2 lucky winners will each win a **DUKTIG 14-piece vegetables set**.



Best letter

Dear Sara,
How are you? I hope you are in the pink of health. I heard you and Bugbug are bored during this summer holiday. So, I would love to write a letter for you and Bugbug on what I like the most about Malaysia and my favorite places to visit.

I like the most about Malaysia are Malaysia's local fruits, which is my favorite snack. Malaysia have various of delicious fruits to taste. I also like the zoo that in Malaysia. It is because I can see a lot of cute and beautiful animals there, such as parrots, pandas, tigers, lions, giraffes and other else.

My favorite places in Malaysia are Legoland theme park that located in Johor Baharu. Legoland theme park have various of interesting games in the park. I also learned a few new knowledges there as Legoland have a free class that about robotics. I also love to go to Melaka history museum. I learned a lot of history when I was there. There also have the history during the war between Malaysia and the other country. Lastly, I love to go to tropical forests in Malaysia. It is because I can breathe the fresh air that been found there.

That's all from me. Till then. Bye.

Raihan Binti Riduan, 12 years old

Dear Sara & Bugbug,
How are you guys in Småland? I hope both of you are as fit as a fiddle! I know it was boring after lots of swimming during this summer holiday, so here am I sharing what I like the most about Malaysia and my favourite places to visit here.

The thing I like the most in Malaysia is the finger-licking good food here. For example: Nasi Lemak, Chicken Rice, Laksa, Roti Canai and many more! Every time I visit a food stall nearby my house, the aromatic smell of the food cooking make my mouth-watered a lot. Besides that, there are also many types of traditional delicacies made by different ethnics in Malaysia such as Muruku, fried bananas, mooncakes, honeycomb cookies and also tapioca cookies. Most of the food here are available all year round while some are only available during festivals.

Some of my favourite places in Malaysia are the Gua Mulu National Park and Taman Negara. Since you guys like to be near with Mother Nature, I recommend both of you to visit the national parks I mention above. There are lots of exotic animals and plants which are about half of all the Earth's living species living in the ancient rainforests here. Some of them are the majestic Malayan Tiger, Tapir, Orang Utan and the largest flower in the world, Rafflesia. Furthermore, there is even a national park in Mulu that is recognised as a UNESCO World Heritage Site! The mysterious and dark caves in the national parks are a must for brave adventurers like you guys.

That is all for now, I hope one day you guys will join me for an interesting trip here in Malaysia. I look forward to your letter, so reply me as soon as you can! See you soon!

Ivy Tan Ai Wei, 10 years old

Last issue's theme:

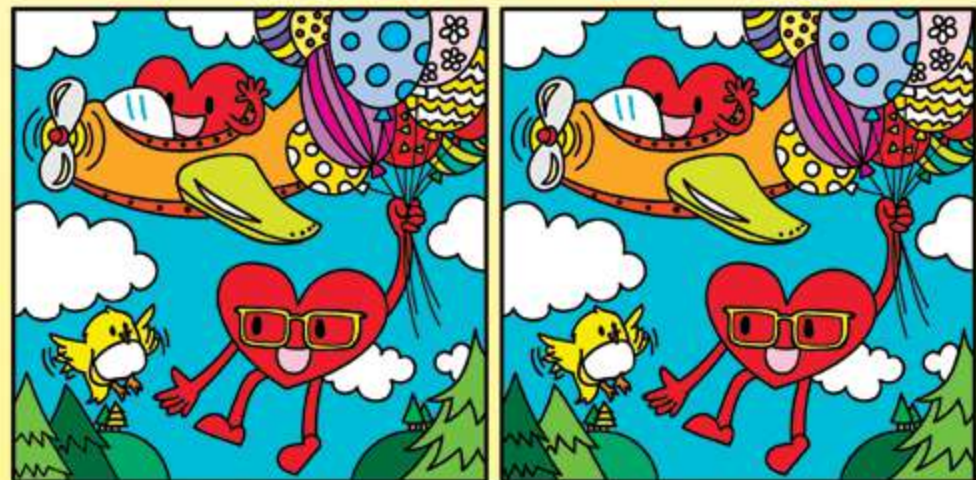
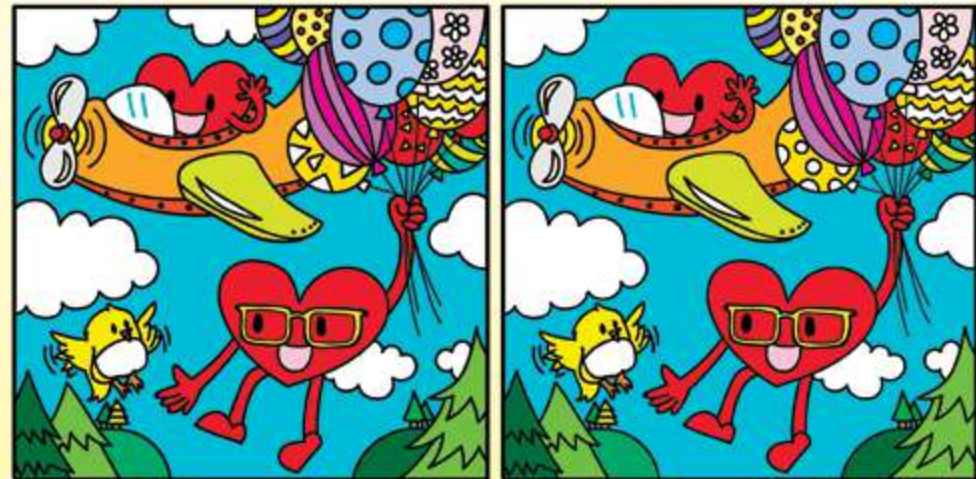
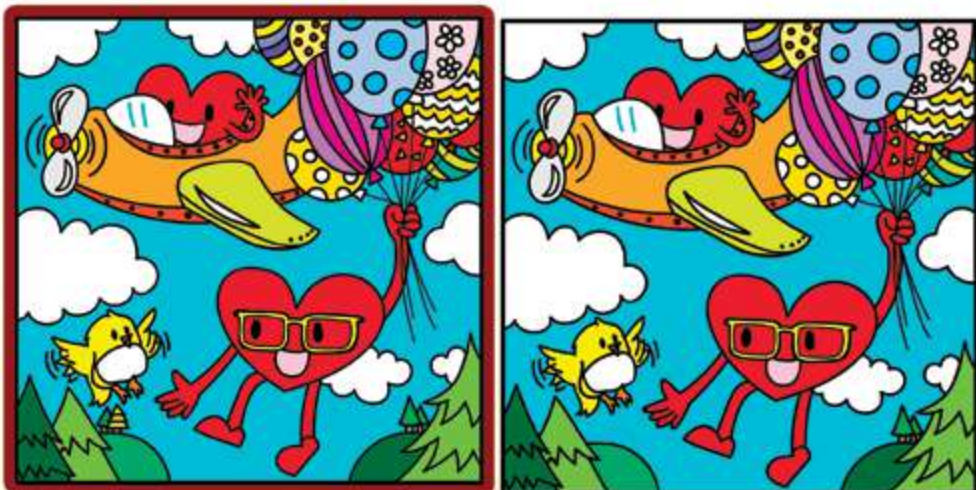
Besides swimming and enjoying the summer holidays. Sara and Bugbug are bored as they would like to read something interesting. Write a letter to Sara and Bugbug on what you like the most about Malaysia and your favourite places to visit.

Sara and Bugbug decided to take an overnight train to other city on their vacation. Along the way they made a new friend! Describe their experience on the train with their new friend.

Include your name, age, Smålish passport number and address, and send your drawing to sara@smales.com.my or **smales, No.2, Jalan PJU 7/2, Mutiara Damansara, 47800 Petaling Jaya, Selangor** by **30 July 2021**.
2 lucky winners will each win a **MALA Water colour box**.



Find the identical hot-air balloon tour photo



Wreck this page

Fill the page up with drawings of different types of transportation.

