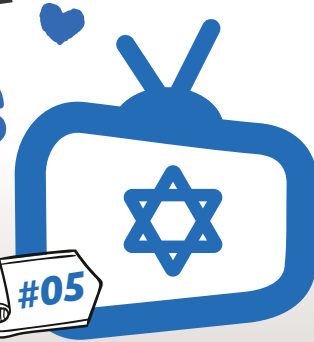


# ISRAEL news for kids

The Magazine

#05



## Israeli Inventions that Changed the World

**T**here are many things we take for granted.  
It seems as though they have always with us.

Anything like that was once a discovery that changed the face of humanity. Or at least an invention that helps us in our daily lives.

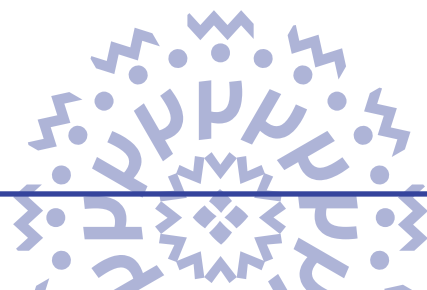
You probably have heard that Jews have created many useful inventions.

Did you know there are many things people use every day all over the world that were developed in Israel?

Let's imagine you want to send a very important message to your friend, and you also want him or her to read it right away. What do you do?

Well, today that's really not a problem. You can send a message via WhatsApp, Tik Tok, Instagram and all sorts of other useful apps.

But if you ask your parents how they talked online with their friends, they'll tell you that before 1996, they didn't even have that option on their computers (only emails). Then the program ICQ burst into their lives, the first that could send a message across the internet straight away. It was four guys from Israel who developed that.



Another thing I'm sure you love is... showering in warm water (if you're one of those who loves cold showers, you can skip to the next paragraph). It's a shame to turn on the boiler when the sun's shining outside, right?

In the 1950s, Israeli inventor Dr. Zvi Tavor developed and invented the solar boiler, which uses solar collectors to absorb solar energy and heat up the water in your home. The product became the norm for every home in Israel and in many more homes all over the world. It also saves money and is environmentally friendly!

## Who loves to travel and visit new places?

You know that once – it really wasn't so long ago, less than 20 years actually, most people relied on printed maps to get from one place to another?

Today, the whole world knows about the Waze app.

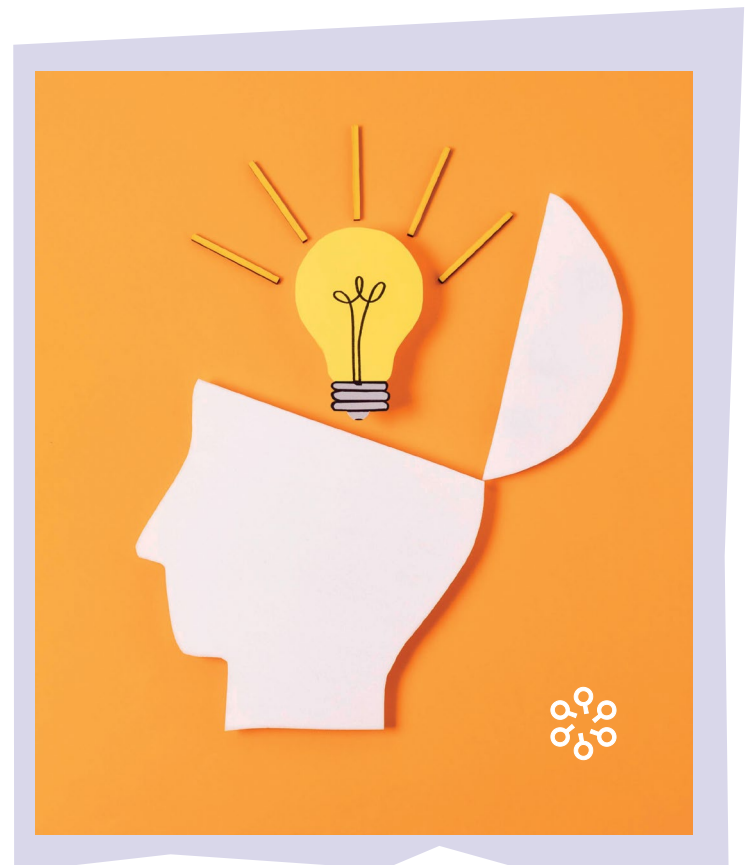
Another Israeli invention, which was at first a project to just map out Israel. However, because it was such genius, and so needed, Google bought Waze in 2013 and today this amazing invention is known all over the world!

There are many other inventions in many different fields that were developed in Israel.

For example, in the field of medicine and medical equipment, we have the CT machine. In agriculture, the drip irrigation system, which looks so simple yet saves a huge amount of water and helps farmers all over the world. Israelis developed desalination systems that convert salty seawater into drinking water.

They also made important inventions in the fields of cyber, communications, energy, and of course in the defense and security industries.

But if you ask any child in Israel what his or her favorite Israeli invention is, they'll probably tell you... Bamba!



**So, if you had to invent something that would change the face of humanity, what would it be?**

## Unique Story

### Inventing and Defending the Country!

In most cases, inventions are not just “born.”

Usually, inventions arise out of a need in reality.

There’s a problem, and people search for a solution.

If there is something the State of Israel really needs, it’s security.

Israel is a small country surrounded by enemies, so it must be ready to protect itself.

And so precisely for that reason, some of the most brilliant minds in the country invented sophisticated military technologies that help Israel to defend itself.

For example, systems for intercepting missiles. The idea is that these systems identify a missile launched in Israel’s direction and intercept it in the air before it has a chance to fall and pose a threat and cause damage.

There are different types of systems, for different types of missiles. Here are a few systems invented for the IDF (Israel Defense Forces):

#### The Arrow System

– intercepts ballistic missiles launched from a very large distance (which even fly out of the Earth’s atmosphere). The system identifies them and intercepts them while they’re still outside the Earth’s atmosphere.



IMG WIKIPEDIA, A model of the Arrow missile in the Technion - Israel institute of technology.



#### David’s Sling

– for precise missiles and heavy rockets shot from shorter range.

IMG WIKIPEDIA, David’s Sling Stunner missile launch during tests



### Iron Dome

– for short-range missiles and rockets.  
Like those sent from Gaza to Israel.



IMG WIKIPEDIA, An Iron Dome launcher launching a missile.

### What else?

Over the last few decades, Israel has been the world leader in the field of drones/unmanned aerial vehicles (UAV), and the world's biggest exporter of these devices.



IMG WIKIPEDIA, DroElbit Systems 900 take off.jpg



## Start-Up Nation

The first person to coin the term “Start-Up Nation” was the Jewish writer and journalist, Tom Friedman, from the New York Times. Friedman is one of the most respected writers in the world. In his book, he presented facts and data that show just how much the culture of entrepreneurship is rooted and strong in Israel, perhaps more than in any other country.

Israel is also identified with science, technology and leading breakthroughs in the field of hi-tech.

There are all sorts of reasons and factors why Israel is the leader in the field of inventions but the most impressive factor is... the people.

In Israel, people who immigrated from different countries have a great deal of talent.

There are many learned and intelligent people. And army service also contributes a lot, because in the army, Israelis learn how to work in a team, lead, be creative and show initiative, and cope with challenges and crisis situations.



||:|:|:

# Game : Find the 6 Israeli inventions

## Be sure to find all of them!



	1	2	3	4	5	6	7	8	9	10
ISRAELI										
NOT ISRAELI										

answers 2 Cherry tomatoes | 3 arrow missile | 4 drip irrigation | 5 disc-on-key | 6 Waze | 7 Nintendo Switch | 8 Nutella | 9 Waze | 10 cassette tape

IMG WIKIPEDIA : Tomates cerises Luc Viatour | Nintendo oled® | Drip irrigation system from electricianexpert.com | Nutella® pot by Ferrero Cassette type IEC III\_JProche | A model of the Arrow missile in the Technion - Israel institute of technology | A SanDisk-brand USB thumb drive, SanDisk Cruzer Micro, 4GB | Waze-logo-2020 | Solar boiler on a rooftop in Israel.s

### Don't miss the new editions of ISRAEL'S CHILDREN'S NEWS



Watch the "Iron Swords" War edition

