

The Best Inventions of 2022

<https://www.timeforkids.com/g56/best-inventions-of-2022-g5-8/?rl=en-900>

1. THINKING AND WRITING

1. Think of 3 important inventions of all times.

What? **Electricity**

Why is it important? **It powers nearly all modern technology and systems.**

What? **Internet**

Why is it important? **It revolutionized communication, information access and global connectivity.**

What? **Vaccines**

Why is it important? **They have saved millions of lives by preventing deadly diseases.**

2. READING AND WRITING

Read the introduction of an article on the most important inventions of 2022.

Best Inventions of 2022 December 1, 2022

Every year, TIME magazine puts out its list of best inventions. This year's roundup includes 200 innovations that are changing how we live, work, learn, and play. TIME highlighted 10 of them here.

1. Which invention do you think is the best of the bunch? And why?
Polly, because it helps visually impaired children learn braille at home and receive feedback, promoting inclusive education.

2. Check the correct sentences about the introduction.

- a) (✓) The list of inventions is published by TIME magazine.
- b) (✓) The 2022 list has more than 200 innovations.
- c) () The list only has innovations in technology.
- d) (✓) In the article, the magazine selected 10 inventions.

3. Now read the whole article

1.Digital Braille When visually impaired children learn braille at school, their teachers can let them know how they're doing. But many students don't have braille readers at home to help them. Now they can use Polly. It's a Wi-Fi-enabled device developed by the American Printing House for the Blind and Thinkerbell Labs. It provides braille learners with audio feedback. Learners can write (and correct mistakes) using Polly's electronic braille slate and stylus—the world's first.
—By Novid Parsi

2.Bionic Future The Esper Hand is the first AI-powered, cloud-based, robotic prosthetic that gets smarter over time. The lightweight device has up to 24 sensors. They detect and process muscle activity and brain impulses. Esper Bionics CEO and cofounder Dima Gazda is a medical doctor and an engineer. "The most important technology developed in the next 30 years will be electronics inside the human body," he says. —By Leslie Dickstein

3.Eye-Catching Sound Creating a piece of technology that's also a work of art isn't easy. But this portable, USB-charged light and Bluetooth speaker pulls it off. Teno, by Lumio, looks like a stone bowl with a golden crack running through it. Pull it apart, and light and sound pour out. Teno is made of cast resin and sand. It has no buttons. Just tap it to adjust light and sound intensity. When the battery gets low, there's no beeping. You'll hear raindrops instead. —By Caitlin Petreycik

4.Super Sunnies For its Happy Boost line of sunglasses, Spy Optic used AI to review millions of color combinations. It was searching for a lens formula that could enhance colors and maybe even your mood. According to the company, the sunglasses boost color by 30% over the naked eye. For outdoorsy types, that could mean better visibility when biking or snowboarding. The more casual user will see a rosebush exploding with vivid red flowers. It's like having an Instagram filter for real life. —By Eliza Brooke

5.Scanning the Skies BLK2FLY is a self-guided flying laser scanner. It captures detailed images of hard-to-reach or dangerous places. It's not a drone. You don't have to pilot it. It uses radar sensors, cameras, and GPS to create what Leica Geosystems calls "3D digital twins." This enables it to navigate around obstacles such as trees and wires. "It takes less than 10 minutes to create a model of a New York City high-rise," Burkhard Boeckem says. He's the chief technology officer of Hexagon, which owns Leica Geosystems. —By Ashley Mateo

6.Bear Hugs Hugimals provide comfort "anytime you need a calming hug," says company founder Marina Khidekel. These weighted stuffed animals have a removable glass-bead filling that gives kids the sensation of being hugged. The company partnered with the Toy Foundation to make Hugimals available to patients in five children's hospitals. A 9-year-old tester reported feeling safer while snuggling with one. Hugimals has also seen orders from teachers who use the animals in schools "to help kids manage big emotions and stay focused," Khidekel says. —By Jennifer Duggan

7. Recycled Paint About 10% of paint bought in the United States each year is wasted. That adds up to an astonishing 64 million gallons. Some of it is disposed of improperly. It pollutes the environment. Up Paint is on a mission to recycle unused paint. It's working with a nonprofit group called PaintCare to collect, process, and tint leftover paint so it can be resold. "Our main goal is to make a good everyday latex paint that can be used for interiors or exteriors," Up Paint founder Dustin Martin says. So far, the company offers 18 colors. It's launching more in spring 2023. —C.P.

8.Far-Reaching Delivery In rural Rwanda, getting produce to market can be just as difficult as growing it. Even on paved roads in this African country, transportation can be unreliable and slow. Farm products are often moved by bicycle. OX Delivers lets farmers use cell phones to book cargo space on trucks. The goal is to make hauling freight more efficient. The company has rolled out a fleet of trucks. Now farmers can reach distant markets for roughly the same price they would pay for bicycle cargo. And the fleet is going electric. The first EV went into service this year. More will roll out through 2024. —By Aryn Baker

9. Old School, Made New Analogue Pocket looks like a Game Boy, the Nintendo handheld gaming console that was popular in the 1990s. But its resolution is higher, and it's packed with modern features. The device is compatible with nearly 3,000 Game Boy original, Color, and Advance cartridges. It also has cartridge adaptors for Sega Game Gear, Atari Lynx, and other old-school handheld systems. There's even a dock to connect it to a TV and up to four controllers. And if you get tired of games, it has a synthesizer for playing music. —By Jared Lindzon

10. A Cool Cap Michael Chapman and Toks Ahmed-Salawudeen started swimming as adults. They soon realized that swim caps weren't designed for Black swimmers like themselves, who need a style that accommodates thicker, curlier hair. So they created the Soul Cap. It can cover dreadlocks and braids. Its designers hope to make the sport more inclusive. Swimming's international federation, FINA, banned the caps before the Tokyo Olympics. It said they didn't fit "the natural form of the head." But in September, FINA reversed its policy. That same month, the cap earned a partnership with Adidas.

—By Alice Park

4. Read the whole article again and say which invention:
- (**Recycled Paint**) is good for the environment.
 - (**Esper Hand**) is a technological version of some human body parts.
 - (**Soul Cap**) is a better and more diverse version of an accessory.
 - (**BLK2FLY**) can be similar to a drone, but doesn't need to be piloted.
 - (**Polly**) helps children learn something they need.
 - (**Analogue Pocket**) is a new version of an old game.
 - (**Teno**) is used for light and sound but is also a beautiful piece of art. -
 - (**Hugimals**) is important for children to understand their feelings.
 - (**OX Delivers**) is helping a population access food and resources.
 - (**Super Sunnies**) helps the user to see colors more brightly.

3.VOCABULARY: TECHNOLOGY

1. Find in the article words or expressions for the definitions below.
 - a) **Radar sensors**: a system that uses radio waves to find the position of objects that cannot be seen.
 - b) **Device**: an object or machine that has been invented for a particular purpose.
 - c) **Dock**: a piece of electrical equipment to which another piece of equipment can be connected.
 - d) **Compatible**: can be used with a particular type of computer, machine, etc.
 - e) **AI-powered**: that uses artificial intelligence
 - f) **Portable**: easily carried or moved.
 - g) **Gaming console**: a piece of electronic equipment for playing computer games.
 - h) **Sensor**: it discovers and reacts to changes as movement, heat, and light.

4. GRAMMAR: FUTURE FORMS

1. Look at this sentence from the article:

“The most important technology developed in the next 30 years will be electronics inside the human body,”

The Future Simple in English is will + infinitive verb.

2. Now, compare the future forms. Can you understand their use?

Match them with the rules 1-4.

- (**4**) Simple Future - People will install electronics inside the human body.
(will + infinitive verb)
- (**1**) Future Continuous - People will be installing electronics inside the human body. (will + be + ing verb)
- (**2**) Future Perfect - People will have installed electronics inside the human body.(will + have + participle)
- (**3**) Future Perfect Continuous - People will have been installing electronics inside the human body. (will + have been + ing verb)

1. We use this tense to talk about things in progress at a particular time in the future.
2. This tense is used to talk about a completed action in the future
3. We use this tense to show that something will continue up until a particular event in the future.
4. This tense is used to talk about a time later than now.

3. Write sentences using the Future Perfect.

- a) I'll tell you tomorrow. **I will have chosen** what to buy by then. (choose)
- b) When you come next month, **we will have moved** to the new house. (move)
- c) By the time we reach the coast, the storm **will have ended** (end)
- d) In two years' time I **will have finished** my university studies. (finish)
- e) He **will have completed** the film before he retires. (complete)

4. Write sentences using the Future Perfect Continuous.

- a) I **will have been working** (work) all weekend so I won't feel rested on Sunday night.
- b) How long **will you have been waiting** (you / wait) when you finally get your exam results?
- c) Ana **won't have been eating** (not / eat) much, so we'll need to make sure she has lunch when she arrives.
- d) How long **will she have been planning** (she / plan) to move her flat when she finally moves?
- e) **Will she have been waiting** (she / wait) long by the time we get there?

5. Complete the sentences with predictions about inventions.

- a) People will
live longer thanks to medical technology
- b) We will be
using robots for daily chores
- c) We will have
developed flying cars by 2050
- d) Populations will have been
benefiting from clean energy for decades