

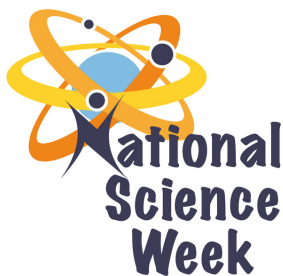


Brainy Bingo

- As the Bingo Brain, your role is to read the questions and ensure the potential winners have all the answers correct. Turn to the next page for the questions.
- Once the winners have been announced, go through the rest of the questions and answers.
- Encourage discussion around the subjects:
What is surprising, unusual and unknown?

ANSWERS

- | | |
|-----------------------------|--------------------------------|
| 1. Ada Lovelace | 9. LASER |
| 2. Satellites | 10. Japan |
| 3. Augmented Reality | 11. Hedy Lamarr |
| 4. SANSA | 12. iThemba LABS |
| 5. Solar Panels | 13. Radar |
| 6. Australia | 14. South Africa |
| 7. Sonar | 15. Mary Winton Jackson |
| 8. SKA | 16. Wind Turbines |



Brainy Bingo

1. This woman (born in 1815) is known as the first ever computer programmer, developing algorithms for a steam-powered Analytical Engine.
2. You need three of these for a Global Positioning System (GPS) to calculate a position.
3. Virtual Reality a completely digital experiences. What do we call experiences that mix real and digital worlds?
4. This organisation builds components for satellites.
5. Which technology uses principles of quantum physics to generate electrical energy?
6. Radio astronomers in this country invented Wifi.
7. This technology uses sound to detect solid objects and is mostly used underwater.
8. Being built across South Africa and Australia, this will be the largest experiment in the world and it will look into the depths of the Universe.
9. This technology is "light amplification by stimulated emission of radiation".
10. Before we could have white LEDs (Light Emitting Diodes), we had to invent red, green and blue LEDs. Blue light proved to be the hardest. The successful scientists won a Nobel Prize. Which country were they from?
11. This beautiful movie star also invented radio guidance system for Allied torpedoes at the beginning of WWII.
12. This research facility creates radioactive materials required to treat cancer.
13. This technology uses light (specifically, radio waves) to detect objects.
14. The first successful heart transplant, in 1967, occurred in which country?
15. This engineer, in 1958, became NASA's first black female engineer.
16. In 2015, Denmark produced 42% of its energy needs through this technology.