



Teacher Resource

Space Junk

Focus Questions

Discuss the BTN High story as a class and record the main points of discussion. Students will then respond to the following:

1. What is space junk?
2. How much space junk is estimated to be hurtling around Earth?
 - a. More than 100 million pieces
 - b. More than 100 billion pieces
 - c. More than 100 trillion pieces
3. What can cause space junk to fall back down to Earth?
4. Where has space junk turned up in Australia?
5. According to NASA, how often does a piece of space junk/debris fall back to Earth each day?
6. Space junk laws in Australia are laid out in an Act called...?
 - a. The Space Act of 2018
 - b. The Space Law of 2018
 - c. The Space Junk Laws of 2018
7. How many nations are part of that agreement?
8. What are some companies doing to clean up space junk?

Activities

- Solving the space junk problem: Design an object that can clean up space junk from the Earth's orbit. Use diagrams to explain what materials you would use and how it would work.
- Imagine you are a reporter for a science magazine. Write a feature article about why humans have struggled so much to clean up space junk? Write your article in a creative way and include headings, images and information.

EPISODE 54

8th August 2023

KEY LEARNING

Students will discover what space junk is and where it comes from. They will also learn about what is being done to clean it up.

CURRICULUM

[Science – Year 7 \(v8.4\)](#)

[Science – Year 7 \(v9.0\)](#)