



Teacher Resource

Measles

Focus Questions

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

1. What are some symptoms of the measles?
2. The measles is a contagious virus. True or false?
3. What year was a measles vaccine made available to the public?
4. What does 'herd immunity' mean?
5. What percentage of Australian kids are vaccinated against measles?

Activity: Note Taking

Students will practise their note-taking skills while watching the BTN Measles story. After watching the story, ask students to reflect on and organise the information into three categories. What information in the story was positive, negative, or interesting?



Activity: Class Discussion

Discuss the information raised in the BTN Measles story and record the main points of the discussion. Here are some questions to guide the discussion:

- What is measles?
- What are some symptoms of measles?
- How does measles spread?
- How can measles be prevented?
- What is a vaccine?
- What vaccines do you know about?
- What impact have vaccines had on controlling disease?
- Why do you think it is important to learn about this topic?
- Why do you think BTN covered this story?
- Think of three questions about measles or vaccinations.



EPISODE 5

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KEY LEARNING

Students will investigate how vaccines work and the impact they have had on controlling disease.

CURRICULUM

Science – Year 5

Scientific understandings, discoveries and inventions are used to solve problems that directly affect peoples' lives.

Science – Years 5 & 6

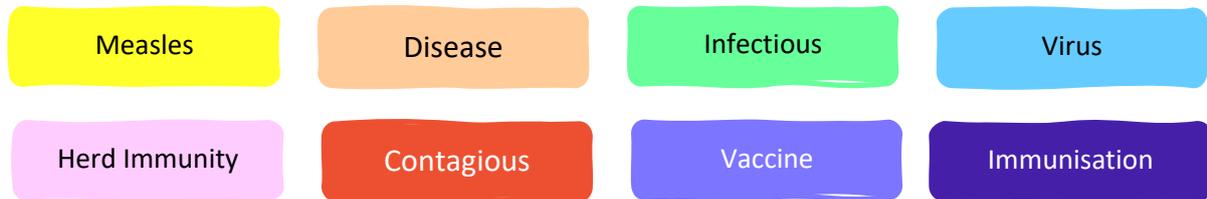
Scientific knowledge is used to solve problems and inform personal and community decisions.

Science – Year 7

Scientific knowledge has changed peoples' understanding of the world and is refined as new evidence becomes available.

Activity: Key words

Students will brainstorm a list of key words that relate to the BTN Measles story. Here are some words to get them started.



Activity: Vaccine Research

In this activity students will work in groups to learn more about diseases and how vaccines have helped prevent them spreading in the community. Each group will become experts and then share what they have learnt with other students.

Divide the class into groups. Each group will be assigned a different vaccine which has been developed to prevent one of these diseases (*Polio, MMR (measles, mumps, rubella), diphtheria, tetanus, whooping cough, hepatitis B or chicken pox*) and learn more about it.

Each group will need to decide how they will collect and present the information they find during their research. They may choose to make a short video, infographic or poster to communicate the information. Here is an example of a short video made by the World Health Organization – [5 things you should know about measles](#).



Research

Each group will respond to the following questions:

- What disease does the vaccine protect against? Describe the disease.
- What impact has/does the disease have on the community? Who is most at risk?
- How does it spread? (Direct or indirect contact, airborne transmission, food, water, or blood contamination.)
- When was the vaccine developed? Who developed it?
- How does the vaccine work?
- How often should a person be vaccinated?
- What impact has the vaccine had on controlling the disease worldwide?
- What are some interesting facts about the vaccine?

Share

One student from each of the groups will form a new group to share the information they have collected. Students will make sure there is one person from each group at their table. Students will share the information they have collected and learn from one another.

Reflect

Students will reflect on the activity by responding to the following questions:

- What did you enjoy about this investigation?
- What would you do differently next time?

Activity – Choose an activity

Individually or in small groups, students will choose one of the following activities to work on.

Create a quiz

Use the information in the BTN story and any other research you've done and create a quiz about measles or another disease. Include a range of quiz styles – multiply choice, true or false, fill in the blank.

Did you know?

Using the information in the BTN story and your own research, create a Did You Know fact sheet about Measles. Publish using Canva.

Vaccines matching game

Match the scientist to the disease they helped prevent by playing [the Pioneer Breakthroughs matching game](#)

Summary

Summarise the BTN Measles story in three sentences. Share your summary with another student. How did your summaries differ?

Useful Websites

- [A brief history of vaccines](#) – World Health Organization
- [History of the measles vaccine](#) - World Health Organization
- [Vaccination Rates](#) – BTN