



Vaccination and antibiotic resistance

These topics align well with the **Australian Curriculum: Science and Health & Physical Education (HPE)** for Years 5–10. Here's how it connects:

1. Science Curriculum Links

Year 5 – Biological Sciences

- **ACSSU043:** Living things have structural features and adaptations that help them to survive in their environment.
 - *(Understanding how the immune system adapts to fight infections with vaccines.)*

Year 6 – Biological Sciences

- **ACSSU094:** The growth and survival of living things are affected by the physical conditions of their environment.
 - *(How diseases spread and how vaccinations help protect individuals and communities.)*

Year 7 – Biological Sciences

- **ACSSU111:** Cells are the basic units of living things and have specialized structures and functions.
 - *(Exploring how white blood cells respond to vaccines and fight infections.)*
- **ACSSU112:** Interactions between organisms can be described in terms of food chains and food webs, and can be affected by human activity.
 - *(Understanding how human actions, like overusing antibiotics, impact bacteria and lead to antibiotic resistance.)*

Year 9 – Biological Sciences

- **ACSSU175:** Multi-cellular organisms rely on coordinated and interdependent internal systems to respond to changes in their environment.
 - *(Explaining how the immune system works and how vaccinations support it.)*
- **ACSSU176:** Ecosystems consist of communities of interdependent organisms and abiotic components, and can be affected by human activity.
 - *(Linking antibiotic resistance to human actions and environmental impact.)*



2. Health & Physical Education (HPE) Curriculum Links

Years 5–6 – Personal, Social & Community Health

- **ACPPS054:** Investigate community resources and strategies to seek help about health, safety, and wellbeing.
 - *(Learning where to find reliable vaccine information.)*
- **ACPPS058:** Recognise how media and important people in the community influence personal attitudes, beliefs, decisions, and behaviours.
 - *(Discussing myths vs. facts about vaccines and antibiotics.)*

Years 7–8 – Personal, Social & Community Health

- **ACPPS073:** Investigate and select strategies to promote health, safety, and wellbeing.
 - *(Understanding how vaccinations prevent illness and protect the community.)*
- **ACPPS077:** Plan and use health practices, behaviours, and resources to enhance the health, safety, and wellbeing of their communities.
 - *(Encouraging students to advocate for responsible antibiotic use.)*

Years 9–10 – Personal, Social & Community Health

- **ACPPS091:** Propose, practice, and evaluate responses in situations where external influences may impact health and wellbeing.
 - *(Evaluating public health campaigns on vaccinations and antibiotic resistance.)*
- **ACPPS096:** Plan, implement, and critique strategies to enhance health, safety, and wellbeing of their communities.
 - *(Encouraging students to create public health awareness materials on vaccines.)*

Summary of Curriculum Fit

- **Science (Biological Sciences)** → Covers how the immune system, vaccines, and bacteria work.

Health & Physical Education (HPE) → Focuses on making informed decisions about health, vaccines, and medicine use.