



# **Year 11 Transition Health and Social Care**

<https://www.historyofvaccines.org/content/history-immunization-schedule>

Please access the link above and work your way through the provided activities (you will not need to complete them all)

Bishop  
Auckland  
College

## Herd Immunity

How does Herd  
Immunity work?



## The history of immunisation schedule

When was the Polio virus introduced?

How many cases of Paralytic polio were reported in 1952?

How many were reported in 1962?

What do these results tell us?

In what year was the last reported case of polio?

How many people were reported to have contracted Measles between 1950-1963?

How many reported cases of Measles were there in 1977?  
And 1984?

What do these results tell us?

What did the CDC report regarding the rotavirus?

## How vaccines are made

What are the 5 stages of making a vaccination?

How does a viral and bacterial vaccine differ (in regards to the generation of the antigen)?

What is chromatography?

How is a vaccine strengthened?

## How vaccines work

Read this complete activity and complete the task at the end.

## Koch's Postulate

How does this method work?

## The scientific method

Complete the activity. You will need your lab coat and your immunopathology knowledge!

You're in the middle of a disease outbreak. Apply the scientific method in an epidemiological setting to pinpoint the source of the illness.....



## Types of vaccine

What are the different types of vaccine? And how does each of these work?