

## Objective

By the end of this lesson, Bridgers will gain a comprehensive understanding of the immune system, including its functions, components, and importance in maintaining health. Bridgers will also explore the immune system through various subject lenses, enhancing both knowledge and creativity.

## Materials and Prep

- Paper and colored pencils or markers
- A notebook for writing and drawing
- A timer (optional for activities)
- Access to a quiet space for reading and reflection
- Basic knowledge of the immune system (white blood cells, antibodies, etc.)

## Activities

- **Art: Immune System Poster** - Bridgers will create a colorful poster that illustrates the components of the immune system. This can include drawings of white blood cells, antibodies, and pathogens. Bridgers can label each part and explain its function.
- **English: Storytelling** - Bridgers will write a short story featuring the immune system as a superhero team. Each character will represent a different part of the immune system, and together they will save the day from invading germs!
- **Foreign Language: Vocabulary Practice** - Bridgers will learn key vocabulary related to the immune system in a foreign language of choice (e.g., Spanish or French). Words like "immune" (in Spanish: "inmunidad") can be incorporated into sentences.
- **History: Timeline of Medicine** - Bridgers will create a timeline that highlights important discoveries in medicine related to the immune system, such as vaccines and antibiotics. This can include notable figures like Edward Jenner.
- **Math: Data Analysis** - Bridgers will analyze simple data about how vaccines have reduced disease over time. This can involve creating bar graphs to represent the decrease in cases of diseases like measles.
- **Music: Immune System Song** - Bridgers will write a catchy song about the immune system, incorporating facts learned during the lesson. This can be sung to the tune of a favorite song!
- **Physical Education: Immune System Relay** - Bridgers will participate in a fun relay race where each station represents a different immune response (e.g., "White Blood Cell Attack" where Bridgers pretends to chase down an invader).

- **Science: Experiment with Germs** - Bridgers can conduct a simple experiment using soap and water to demonstrate how washing hands can kill germs. This can be a fun and practical application of immune health!
- **Social Studies: Community Health** - Bridgers will explore how communities work together to maintain public health, discussing the role of vaccinations and health education in keeping everyone safe.

## Talking Points

- **Art:** "Art helps us visualize complex ideas. What do you think the immune system looks like?"
- **English:** "Stories can make science fun! How would you describe the immune system as superheroes?"
- **Foreign Language:** "Learning new words helps us understand science better. Can you say 'immune' in your chosen language?"
- **History:** "Every discovery in medicine has a story. Who do you think made the biggest impact on our understanding of the immune system?"
- **Math:** "Numbers tell a story too! How can we use graphs to show how vaccines help reduce diseases?"
- **Music:** "Music is a great way to remember facts! What catchy phrases can we use in our immune system song?"
- **Physical Education:** "Exercise is important for our immune system! How can we stay active and healthy?"
- **Science:** "Science helps us understand how our body fights germs. What do you think happens when we get sick?"
- **Social Studies:** "Communities are stronger together. How can we help each other stay healthy?"