

What the Wuhan coronavirus does to make people severely ill

As Wuhan coronavirus cases increase, we're finding out just how it causes illness.

This explainer article helps students understand how respiratory disease illnesses work and the various reasons people succumb to them. Suitable for years 8 and 11/12 studying Biological Sciences.

Note: This is an excellent impartial data gathering dashboard to assist students studying this subject currently :

<https://gisanddata.maps.arcgis.com/apps/opsdashboard/index.html#/bda7594740fd40299423467b48e9ecf6>

Word Count: 762

<https://australiascience.tv/what-the-wuhan-coronavirus-does-to-make-people-severely-ill/>

LINKED TO SCIENCE UNDERSTANDING		
	TOPIC	CONCEPTS
Biological Sciences	Cells The Body Living Things	Form and Function
Chemical Sciences		
Earth and Space Sciences		
Physical Sciences		
Additional	Careers, Technology	

YEAR	BIOLOGICAL SCIENCES	CHEMICAL SCIENCES	EARTH AND SPACE SCIENCES	PHYSICAL SCIENCES
5				
6				
7				
8	ACSSU149 ACSSU150			
9				
10				
11/12	Unit 4: Maintaining the internal environment			

What the Wuhan coronavirus does to make people severely ill

As Wuhan coronavirus cases increase, we're finding out just how it causes illness.

This explainer article helps students understand how respiratory disease illnesses work and the various reasons people succumb to them. Suitable for years 8 and 11/12 studying Biological Sciences.

Note: This is an excellent impartial data gathering dashboard to assist students studying this subject currently :

<https://gisanddata.maps.arcgis.com/apps/opsdashboard/index.html#/bda7594740fd40299423467b48e9ecf6>

Word Count: 762

<https://australiascience.tv/what-the-wuhan-coronavirus-does-to-make-people-severely-ill/>

LINKED TO SCIENCE INQUIRY SKILLS	YEAR
Questioning and predicting	
1. If we know so much more about cells and transplantations are an option now, why can't we simply give patients who are suffering from pneumonia for example a transplant or save more patients who contract respiratory illnesses?	8, 11, 12
Processing and analysing data and information	
1. Is a 2% mortality rate for the Wuhan coronavirus high, low or otherwise? Discuss your response using other viruses as examples.	8, 11, 12
Evaluating	
1. Do you think the mass hysteria stoked up in the media is justified? Explain your answer	8, 11, 12
Communicating	
1. What are the main reasons people die after contracting a respiratory illness?	8, 11, 12
2. How does advanced technology help us to know how Wuhan coronavirus works?	8, 11, 12

What the Wuhan coronavirus does to make people severely ill

As Wuhan coronavirus cases increase, we're finding out just how it causes illness.

This explainer article helps students understand how respiratory disease illnesses work and the various reasons people succumb to them. Suitable for years 8 and 11/12 studying Biological Sciences.

Note: This is an excellent impartial data gathering dashboard to assist students studying this subject currently :

<https://gisanddata.maps.arcgis.com/apps/opsdashboard/index.html#/bda7594740fd40299423467b48e9ecf6>

Word Count: 762

<https://australiascience.tv/what-the-wuhan-coronavirus-does-to-make-people-severely-ill/>

YEAR	LINKED TO SCIENCE AS A HUMAN ENDEAVOUR	CURRICULUM CODE
Yr 8	Nature and development of science	
	1. Scientific knowledge has changed peoples' understanding of the world and is refined as new evidence becomes available. <i>a. investigating developments in the understanding of cells and how this knowledge has impacted on areas such as health and medicine</i> <i>b. investigating the development of the microscope and the impact it has had on the understanding of cell functions and division</i>	ACSHE134
	2. Science knowledge can develop through collaboration across the disciplines of science and the contributions of people from a range of cultures. <i>a. considering how advances in technology, combined with scientific understanding of the functioning of body systems, has enabled medical science to replace or repair organs</i>	ACSHE226
	Use and influence of science	
	1. Solutions to contemporary issues that are found using science and technology, may impact on other areas of society and may involve ethical considerations. <i>a. discussing ethical issues that arise from organ transplantation</i>	ACSHE135
	2. People use science understanding and skills in their occupations and these have influenced the development of practices in areas of human activity. <i>a. recognising the role of knowledge of cells and cell divisions in the area of disease treatment and control</i>	ACSHE136