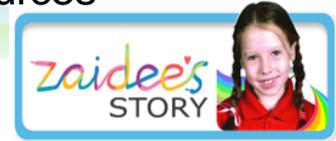


Zaidee's Rainbow Education Resources



Getting started

Aims of this teaching unit

1. Introduce students to Zaidee's story and the importance of organ and tissue donation.
 2. Ensure that students understand what organs and tissues in the human body can be transplanted.
 3. Research the function and role of human organs.
 4. Understand the choices and values that are important in saving lives through donation.
- Discuss Zaidee's story with your students using the clips from the website **Zaidee org** <http://zaidee.org/> in the media section and choosing clips according to the age of your students.
 - For students 12 up consider viewing *The Last Race*

The Last Race is a thirty-minute drama about a family suddenly faced with a decision of whether to donate the organs of 25-year-old Mike, and a race against time to save a life. The film shows a family struggling to make a decision on behalf of a loved one. *The Last Race* tells one of the many stories about a topic that might affect any of us, a decision that any of us may have to make, and about the chance to change a person's life for the better. As we see the family reach their decision, the film asks, what would you do, and how would you decide if you didn't know? Broadcast on ABC 1 TV during Donatelife week in 2012, it is now available, together with a study guide from the **Australian Teachers of Media** (ATOM).



This is both a compelling drama and a film that explores an issue that affects thousands of Australians every year, both as donors and recipients of organs and tissues. The film's power is that as a drama it draws the audience into the life-and-death moments of its characters, as well as realistically and compellingly depicting the medical, social and moral issues around organ and tissue donation.

The film has been produced as a wake-up call to all of us about the need to increase Australia's organ and tissue donation rates and the resulting deaths of people who could have been saved. It asks us to consider becoming donors and discussing our wishes with our loved ones.

Through viewing *The Last Race*, students from secondary to tertiary level will have the opportunity to learn about the science of organ and tissue donation. They will learn how considering donation, discussing it with their families and friends, and becoming donors will contribute to the wellbeing of others.

For more information and to order the DVD and free ATOM study guide access **The Last Race** website <http://www.thelastrace.info/> which also has clips and interviews.

- You may wish to read one of the following books to the class, available from online booksellers.

Years 3–4

Ramona Wood, *Now Caitlin Can: A donated organ helps a child get well*, ABC Press, 2004.



Years 5–7

Karen Walton, *How Will They Get That Heart Down Your Throat? A Child's View of Transplants*, E.M. Press, 1997.

This book tells the story of a kindergarten teacher who underwent a heart transplant and in so doing provides information about the process of organ donation.

Older students

Susan May, *Nick's New Heart*, Tiger Iron Press, 2008.

Nick May underwent one of the first successful heart transplants in the USA performed on a one-year-old baby. As told by his mother.

Recommended Teacher References and Resources

Cheryl Jakab, *Our Body* series, Macmillan Library, 2006. Available in many school libraries and also available as a CD.

The Australian Science Teachers Association (ASTA) <<http://www.asta.edu.au/>> Go to the website to find you state or territory organisation and resources.

Australian Council for Health, Physical Education and Recreation (ACHPER) <<http://www.achper.org.au/>> Go to the website to find you state or territory organisation and resources.

Website **Brainpop** <www.brainpop.com> has many videos on human body systems, body scans etc. which might be viewed to provide class stimulus or for paired research tasks.

Depending upon the year level and subject area and the prior knowledge of the students, teachers may wish to introduce the topic of the organs of the human body by adapting the introductory activity below. Otherwise, lessons are written for specific age levels.

Human body parts in health and disease

(Can be taught as an introduction for most age levels)

30–45 minutes

1. Using an image of the human body, label each of the organs of the body that can be donated/transplanted. Create a list of commonly transplanted organs and tissues.

What are some ways in which these organs and tissues might be damaged? Discuss injury, lifestyle factors such as exercise and diet, and genetic factors that may lead to poor functioning of the body.

What might happen if any of these organs or tissues stop working properly? In pairs, students research an organ, finding out its function, importance to the body and what could happen if it stops working properly or ceases to function at all.

2. Print out and distribute **Worksheet – Body parts: structures and functions**. Discuss and ask the pairs of students to fill out.

Worksheet

Body parts: structures and functions in health and disease

Finish filling in the Heart section and then fill in the other organs.

Name _____

Name of part	Function of part	Common problems	What might happen when something goes wrong
Heart 	Pump blood around body	Heart muscle damaged by virus	Not enough blood can be supplied to body
Lungs 			
Liver 			
Kidney 			
Pancreas 			

Digital pictures of human organs supplied by **Dream Designs**, <<http://www.freedigitalphotos.net/>>