



Science for Home Educating Families, Term 2, 2012

This term we will be offering a class in human biology, suitable for early-teen (Year 10) students. This class will cover three main topics of human biology — food, nutrition and digestion; blood and circulation; and bones, muscles and organs.

Taught in a small-group setting, this class will offer students an opportunity to engage and interact with the topic in a personal way, with a focus on learning by enquiry and investigation.

About the teacher

This class will be taught by Steve McCabe. Steve has taught in Japan and the United States, and currently teaches physics and general science at a New Zealand high school.

Cost

\$80 per student for the term.

Time

4:30 - 5:30 pm, every Thursday afternoon.

<i>Date</i>	<i>Topic</i>	<i>Details</i>
26/04/2012	Food, nutrition and digestion	Food groups; sources of food groups; roles and functions of food groups.
03/05/2012		The digestive system; organs of digestion; how food is distributed around the body.
10/05/2012		Food problems — obesity, diabetes, malnutrition; healthy diet; energy, diet and exercise.
17/05/2012	Blood and circulation	The functions of blood in the body; the composition of blood; blood disorders.
24/05/2012		The double circulatory system; arteries, veins and capillaries; circulatory metabolic processes.
31/05/2012		The heart: structure and function; chambers of the heart; the heart and blood vessels; heart disease.
07/06/2012	<i>No classes</i>	
14/06/2012	<i>No classes</i>	
21/06/2012	Bones, muscles and organs	The human skeleton; primary bones and their function and structure.
28/06/2012		Other organs: liver, kidneys, brain, pancreas.