

Research - Medical Diagnostic Tests

When you see a doctor about a concern, he or she tries to diagnose the problem. There are tests (some very simple and some very complex) that can be done. These are called 'diagnostic tests'. Your task is to research one diagnostic test and report back to the class on what you learned.



Curriculum Expectations:

A1.3 - identify and locate print, electronic, and human sources that are relevant to research questions.

A1.7 - select, organize, and record relevant information on research topics from various sources using recommended formats and an accepted form of academic documentation.

A1.9 - analyse the information gathered from research sources for reliability and bias

A1.11 - communicate ideas,....and conclusions orally, in writing, and/or in electronic presentations, using appropriate language and a variety of formats.

You need to:

- Find an electronic picture that helps your classmates understand this test.
- Email this electronic picture as an attachment to: chudecki@wellingtoncdsb.ca the day before this project is due.
- Explain briefly how this test works. Why is it done? Who gets this test?
- Be able to answer the following research questions orally to the class.
 - Simple or complex test?
 - Invasive or not? (invasive = involving entry into body by cutting or insertion)
 - Done in Doctor office or need to make appointment?
 - If appointment needed - short wait time or long wait time?
 - What information can be gained? Lots or little? Life threatening info?
 - Survey 25 teenagers. How many have had this test even once? If 'yes', what were some of the reasons? Is this a common test for young people? Comment.
 - Is this an important test?

Picture / Oral Communication

5 marks **Communication**

Source - reliable/biased? // Research notes

5 marks **Application**

Answers to questions

5 marks **Application**

Name:.....

Diagnostic Test:.....

What is being assessed	Criteria
Communication - looking at picture & oral presentation	Full marks: Picture is relevant and helpful to audience. Student speaks audibly, clearly, with very few/no cue cards. Delivered in student friendly words. Science words pronounced correctly. <p style="text-align: right;">/5</p>
Application - looking at research notes, APA documentation, Bias analysis	<ul style="list-style-type: none"> - research notes - date/title/point form /2 - APA documentation - complete & correct (references) /1 - Bias analysis - complete & correct /2
Application - looking at answers <u>'how test works'</u> & <u>'answers to research questions'</u>	<ul style="list-style-type: none"> - how test works- explained well /2 - research questions - complete & correct /3

Research Notes

Reliable or Biased Document?

Is this site free of sales. ie: is it NOT in position of selling a product?

Yes No

Is there a publication date?

Yes No

Is there an author listed?

Yes No

Is it reviewed by scientific peers? (is it published in a science journal?)

Yes No

SCORE /4

The higher the score, the better!

Title (sourced)

Date researched.....

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