Brave Hearts Coding Challenge

Are you inspired to become a part of the New Zealand Cardiac Story?

We want you to help us build awareness about the danger of Rheumatic Fever in children.

Using the Scratch platform, you will create your own unique game or animation about Rheumatic Fever. We provide the visuals and sounds but it is up to you to create your own unique code.

♥ What is Rheumatic fever and why is it important?

Rheumatic Fever is a serious illness in our communities. It affects children aged 4 to 19 years of age, but occurs most often in children in years 6 to 9 of school. Rheumatic Fever starts with a sore throat (known as strep throat). It is an infection caused by a bug (a bacterial infection) called Group A Streptococcus. If not treated with ten days of antibiotics, you can get an immune response which causes the body to attack some of its own cells. This results in Rheumatic fever which can cause serious heart damage.

Rheumatic fever is serious but preventable and we need your help.

It is up to you to decide how you want to communicate the problem of Rheumatic Fever and how best to prevent it. We have provided visuals and sounds you can use to get you started.

Your game / animation could do one of the following:

- Show the importance of getting sore throats checked (even if you think it is uncool or not a major)
- Show the importance of taking all ten days of antibiotics (even though your sore throat has gone away completely)
- Show the importance of having monthly penicillin injections if you have had Rheumatic Fever
- Show what happens if Rheumatic Fever is not treated and you get damage to your heart
- Illustrate a catchy way to let everyone in your community know about getting sore throats checked and preventing Rheumatic fever.

♥ Students can learn more by having a look at these resources:

Video: What rheumatic fever is and how you can prevent it

Video: Rheumatic fever: a parent's perspective

STOP sore Throats hurting hearts

Kidshealth: www.kidshealth.org.nz/rheumatic-fever

Ministry of Health: www.health.govt.nz/your-health/conditions-and-treatments/diseases-and-illnesses/rheumatic-fever

Heart Foundation: www.heartfoundation.org.nz/your-heart/heart-conditions/rheumatic-heart-disease/

♥ Getting started:

Download the project from sratch
https://scratch.mit.edu/projects/169665424/

Share your game or animation with us!

Classrooms, groups or individual students can submit one or several games / animations.

When your programmes are finished, you will need to publish on the Scratch platform and send us an email at **admin@bravehearts.co.nz** with the following information:

Student Name(s):

Teacher Name and email:

School Name and Year:

Link / URL of the game:

BRAVE HEARTS
LEARNING RESOURCES
www.bravehearts.co.nz

Please Note: This activity is open only to students at schools in New Zealand

If you have any queries or questions about the activity, please email us at **admin@bravehearts.co.nz**

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