Hi, my name is Hudson Foster and I’m from Maroochydore State High School. I am entering in the year 7-8 python/HTML individual category for the Premiers Coding Challenge 2024.

I have created an interactive website called Advance Schools 2050 – an idea to encourage and bring Australian schools into a more self sufficient and sustainable future. Advance School 2050 is a project to work with the Queensland and Federal Government to upgrade all Australian Schools in stages with practical improvements like solar panels, rainwater tanks, vertical gardens, hydro electricity and a recycling plant and for inside the classroom more advanced technology like robot cleaners, VR learning and holograms.

I have used JavaScript, HTML and CSS to create my interactive website and I have used Node.js to utilize libraries to create the 3D interactive.

In the Explore tab I have built an interactive school where the user can try these practical improvements on a 3D model of the school and tips will pop up for each improvement so that the user can see the benefits it will make.

In the Future tab I have a recycling plant activity to sort rubbish into the correct recycle bin. This has pop ups for the user to show what the recycling can make to put back into the school like bench seats, bowls, filament for the 3d printer and student resources.

Advance Schools 2050 will create a better place to teach, learn and play for Australian school students!

Thank you.