NEA Analysis

Background

Exeter College is a general further education college that offers a wide range of courses, there most popular of which is A levels for post 16 students. They are an award-winning college with many on site facilities located in the city centre of Exeter. Students from all across Devon enrol at Exeter College, subsequently Exeter College educates 10000+ students for any academic year.

The physics department at Exeter College is comprised of three teaches and has roughly 200 As level physics students and 150 A level physics students at any given time. Typically, a topic that has been notoriously difficult for students has been electricity.

Pino is one of the A level physics teachers at Exeter College and wants a visually interactive tool to help make teaching the electricity topic more intuitive for her students.

Problem Identifying

Physicsclassroom.com limited functionality

Pino is an A level physics teacher and wants an interactive online tool to showcase electronic circuits to enhance her lessons.

Current System

Prospective Users

User needs

User Limitations

Data sources

Data destination

Questionnaire

Is there a current system you already use?

If so is there any features you wish the current system has but doesn’t?

Is there any problems you have with the current systems?

What is the most important features you want in order to help your students?

What is the most difficult part of the topics for students to grasp usually?

How can the new system help your students grasp those topics?

Any other comments about the new system?