**Own Issue Project Proposal**

| Name : |  | | |
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| Who is your project for? | Describe the subject, group or organisation you will be creating something for.  *Maths teachers* | | |
| Who will be your stakeholder? | What is the name of the ‘person’ that you will be communicating with throughtout this products development?  Mr Gibson, possibly other math teachers | | |
| What do they need to be solved? | Describe the problem / solution you will create / try to solve.  Interactive visual assistant for students learning algebra.  Should help understanding basic algebra including solving equations through rearranging and distributing over brackets. | | |
| What it is that you intend to create? | Website? If so, how many pages/sections? What will they show?  Publication? If so, how many pages/sections? What will they show?  Videos? If so, how many and what content will you address in each?  Etc.  *Website with interactive* [*https://scratch.mit.edu/*](https://scratch.mit.edu/) *-like interface allowing students to interact with algebraic operations on an expression. Teachers should be able to design content and assign to students.*  *GUI elements may have animations, etc. designed with* | | |
| How will you address synthesis? | What different technologies do you believe will need to be developed to operate alongside each other? E.g. HTML & CSS with PHP or Database with Graphings tools etc.  Standard web technologies – HTML, CSS, JS.  *Possible use of typescript and frameworks for organisational purposes and DRY – code deduplication.*  You need to merge 3 technologies here (complete a Technology Comparison sheet for each). Remember “Justify” is a key word. | | |
| Where will your content come from? | Describe how your obtain the content you will need.  Identify the content you will need to create.  I will design and create the website and animations  Who decides what algebraic problems to use? Will that same person provide you with model answers? Will the tool cover the steps between the question and the final answer? (If so, where will that information come from?). | | |
| What are the specifications that need to be met? | Create a list of all the specifications this project needs to meet. If you need some ideas look at the issue provided.   * Must give a visual environment for the user to play around with the expression * Intuitive controls * Must give the user information about any concepts they do not understand   Specifications need to be specific as that is how we will measure the success of the product at the end. Exactly how will you know it is intuitive? How will you provide the user with information for concepts they don’t understand?  What style will the page/site have? (themes, colours, use of white space, any buttons?).  How will the content be updated/maintained? | | |
| Status : | Approved Rejected More details needed | | |
| Teacher : | CPL | Date : | 5/6/24 |