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**P301 - Project Proposal form**

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| **Learner name** | **Thomas Piercy** | | **Learner number** |  |
| **Centre name** |  | | **Centre number** |  |
| **Teacher Assessor** |  | | **Date** | **8/11/2022** |
| **Unit** | **P301** | |  |  |
| **Proposed Project title** | | “All foods are salads, soups or sandwiches”: to what extent does classification theory agree? | | |

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| **Section One: Title, objectives, responsibilities** |
| **Title or working title of project (in the form of a question, commission or design brief):**  **“All foods are salads, soups or sandwiches”: to what extent does classification theory agree?**  **Project objectives (eg, what is the question you want to answer? What do you want to learn how to do? What do you want to find out?)**   1. To investigate classification theory and learn more about different types of information systems. 2. I want to study how mathematical concepts and models can be applicable to abstract constructs. 3. I want to improve my academic writing and learn about how to correctly reference documents. 4. I want to present a new model of classification which could have relevant implications in the field of knowledge 5. To apply this model to a meaningless debate to explain the fundamental concepts of my research in a way that isn’t intimidating and is accessible by all   **If it is a group project, what will your role or responsibilities be?**  n/a |
| **Section Two: Reasons for choosing this project** |
| **Reasons for choosing the project (eg links to other subjects you are studying, personal interest, future plans, knowledge/skills you want to improve, why the topic is important):**  I chose this project because I wanted the challenge of explaining something obscure and complicated in an accessible way that others without a mathematical background could understand and be interested in. This would be a key skill during and after the mathematics degree I might go on to do. As well as this I am interested in developing independent study skills to carry over to university and the research in the EPQ is a good way to start this process as well as improving my academic writing and ability to critique others. The actual chosen topic isn’t important per se but gives me a medium through which I can explain fundamental principles of classification which impacts us all the time in our daily lives. |

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| **Section Three: Activities and timescales** | |
| **Activities to be carried out during the project (eg, research,**  **analysis, writing, preparing for the presentation, etc)**  **Bringing together research into topic:**  This involves gathering resources necessary for my project, building up a collection of papers and books and generally having applicable information to hand when I need it.  **Conducting research:**  Reading up and making brief notes on each of the materials that I find and starting to put together a reference list so that all my research is traceable  **Compiling research:**  Making a key notes document which contains summaries and a small handful of quotes that I can cite in my dissertation. This involves abstracting each paper down to only the information relevant to my research and grouping this information in one place so that I don’t have to manually re-read every paper to find the useful information in them  **Writing research review:**  This involves evaluating my research and critiquing the academic papers that I have read and writing this analysis down in prose. In this time frame,1 week is allowed for editing and finalising drafts of this document (marked in parenthesises)  **Finish research and write Research Review section**  **Draft dissertation**  **Write bibliography**  **Write Evaluation**  **Produce first draft of main written sections** | **How long this**  **will take**  **Approx. 2 weeks**  **Approx. 12 weeks continuous**  **Approx. 1 week** (although this is dependent on each stage of conducting my research so this week will be spread out over the course of 12 weeks)  **Approx. 4 weeks -** (1 week for editing)  **Friday 31st March 2023**  **Approx. 20 weeks continuous**  **Approx. 1 week**  **Approx. 2/3 weeks** |
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| |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Section Three: Activities and timescales** | | | | | | **Activities to be carried out during the project (eg, research,**  **analysis, writing, preparing for the presentation, etc)**  **Write conclusion and abstract**  Writing the findings in a concise way to complete the document.  **Edit draft**  Checking grammar and spelling as well as checking how the whole document reads and seeing whether adjustments need to be made.  **Produce first draft of main written sections**  **2nd/3rd/4th draft etc.**  Rewriting the document and condensing information so that it fits within the general word count limit and makes sense as well as can be understood by someone without extensive background knowledge in maths.  **Final draft and result**  Polishing the document and doing final checks to make sure it is of a submissible standard  **Presentation**  Making, preparing for and delivering my presentation at the end of the project  **APPROX. 2 WEEKS FLOAT TO ACCOUNT FOR EVENTS TAKING LONGER THAN EXPECTED**  **\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***  **Final submission** | | | **How long this**  **will take**  **Approx. 2 weeks**  **Approx. 4 weeks**  **Monday 25th September 2023**  **Approx. 8 weeks**  **Approx. 4 weeks**  **Approx. 2 weeks** | | |  | | | | | | **Milestone one:** | **Finish research and write Research Review section** | | |  | |  | | | | | | **Target date (set by tutor-assessor):** | | **Friday 31st March 2023** |  |  | |  | | | | | | **Milestone two** | **Produce first draft of main written sections** | | |  | |  | | | | | | **Target date (set by tutor-assessor):** | | **Monday 25th September 2023** |  |  | |  | | | | | | |

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| **Section Four: Resources** |
| **What resources will you need for your research, write up and presentation (eg libraries, books, journals, equipment)**  I have found JSTOR incredibly helpful in accessing academic articles in the appropriate field, as well as this I have taken references from articles that I have read then searched for these other articles in google scholar which gives me access to a wide range of similar texts and resources. I have found that a good way for me to understand a particular paper is to print and highlight sections of relevant information, for which the school’s colour printer has been invaluable for gathering my resources far quicker and in a more accessible manner than I would have been able to at home. The Forum library in the city centre has provided me with a quiet space that I can work and access the internet as well as using its collection of mathematical texts. I am also exploring the idea of contacting an author of a relevant piece of research as the field is relatively young in STEM terms and most of the original founders are still alive  **What areas will you cover?**  Over the course of my project, I want to look at 5 main areas of research. These are: Logic, set theory, Group theory, information systems and classification systems. The largest body of work will be into classification theory, however not enough resources exist in this domain by itself to let it stand without external material; Information systems let me explore implementations of classification and how effective they have been as well as disputes in an ideal system; Logic is to gain insight in how models and abstract concepts can interact with each other which will be applied to my project; Set theory is to reinforce my pre-existing knowledge and explore the most simple class structures and finally, group theory is to explore groups as a class structure I will employ heavily in my project. |
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| **Comments and agreement for tutor-assessor** |
| **Comments (optional):**  **I confirm that the project is appropriate.**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Agreed:** |  | **(name)** |  | **(date)** | |
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| **Comments and agreement from proposal checker** |
| |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Comments (optional):**  **I confirm that the project is appropriate.**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Agreed:** |  | **(name)** |  | **(date)** | |  |  |  |  |  | | |