

With my proposal being “Investigating How the Implementation of 3D Design and Printing Can Influence Model-Making Processes for set designers and Its Impact on Other Production Roles” one of my first points to research was into the most common types of 3D printing available in the world now. Which was looking at SLA, SLS and FDM/FFF. While also considering which types I have access to which are SLA and FDM/FFF. I have also already started finding real world contacts I can use, along with putting feelers out for more with some friends in the industry. All of this research has been incredibly helpful as its allowed me to look at what different types would be useful for what aspects of designing. So FDM/FFF would be useful for larger simpler items, whereas SLA is far better for more intricately detailed, as mentioned by formlabs. (Formlabs, 2025)

Another research I’ve undertaken is the research into the waste of both 3D printing and physical model making, with 3D printing information being accessible to find along with examples of how some companies are trying to reduce this. However, finding information on the waste from physical model making has been far more difficult which leads me onto my next point of what I’m doing next.

One of the next things I’m going to be doing is solidifying the list of industry professionals that I will be reaching out to and interviewing for some of my research which I have been working on and am still finalising the list of questions I would want to ask them. With one of them being, if they make models by hand, how much waste they would usually create from one model, which would allow me to gather some Qualitative research in that specific area.

I’m also aiming to have done all my initial research interviews by mid-January. Another thing I am wanting to do over Christmas break is gather all the physical model making supplies I would need for the model. Trying to acquire as many industry standard types as possible and within budget, along with leaving enough for me to be able to afford the filament and resin for 3D printing. With both models being so important to the project I’ll be tracking each of their time, cost and sustainability/wastage of each of them at different design stages, from initial concept designs to final white card models, along with adding colour to them, as that is something that will also need to be compared amongst the two, with physical models being able to use a variety of media types for colour, and the 3D printed ones needing to be primed before painting which will add more cost to the 3D design side of it.

Another thing I have done is found and obtained a script for “The Private Life Of Sherlock Holmes” by Billy Wilder & I. A. L. Diamond (The Private Life of Sherlock Holmes, 1969) that I am being inspired by, and having spent time pulling it apart and doing script analysis to it. Finding elements of it that I like, and some that I don’t. After having done this I will be spending the next week on initial designs to break up the constant research I am currently doing. Along with ensuring the design is a fair design for both the physical and 3D printed models to be fairly compared to each other.

My current Project plan from now till mid-December Development of research, this consists of my initial research and delving deeper into it, along with planning the interviews of industry professionals and breaking that up with sketching and planning out initial sketches and refining

them to a final design. Then mid-December to late December is securing the interview participants along with further research as I will be doing this constantly throughout my project. Early January is then interviewing all of the participants, giving me the ability to have time to organise the information I will have obtained. Something else I would complete by the end of early January is costing and obtaining all the materials for model making in time for starting the models which I would then start in mid-January, having both of them finished and in their final polished version by mid-February, which would then give me the second half of February to compile all the information from the practical and organise questionnaires with groups of people to gather opinions on the practical aspect and the information gathered. This would then leave me the entirety of March to work on compiling all of the information together for the practical portfolio and presentation.

In terms of collaboration, I will mostly be in contact with industry professionals outside of the university, though I will absolutely make use of any and all inside the university, along with my access to those learning about the industry and are still gaining their own opinions newer technologies accessible to us.

Something I am particularly proud of is making use of previous contacts I have, and taking the leap to ask for any contacts that they themselves might have, with one of mine being possibly able to get me in contact with a possible Olivier winner connection, which would be incredibly helpful being able to talk to someone so far up in the industry. I have also been putting myself out there in some Facebook groups I am part of, along with planning to cast out into some wider groups too. This has enabled me to be able to have a wide variety of people in the industry and have a more unbiased group for interviews.

In conclusion I'm hopeful that the project will stay on track, even with some aspects of research being particularly difficult to access and find. I think the timeline I've set out for the project is realistic to be able to achieve what I want to, with at most me needing more time to create the models. I think the practical aspect of my project will go incredibly well and will absolutely be helpful to the question my initial proposal is asking. Especially with it generating information that I myself am struggling to find out there.

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