An Introduction to 3D Modelling:

An Informational Scavenger Hunt

**PART 1: The Purpose of 3D**

**An Inquiry (research) Scavenger Hunt**

In the spaces below, respond to the following questions about the history and uses of 3D modelling within today’s world. To figure out the answers, you might want to use that powerful machine that’s sitting right in front of you. Please use a different font colour (not black) to record your responses.

1. What is 3D Modelling?

2. How does 3D Modelling differ from 2D Animation?

3. Below are some fields which use 3D Modeling in today’s world. **Choose 3 of the fields below** and, for each, include a specific example, complete with explanation, of how modelling is used within this field. The first one is done for you!

|  |  |  |
| --- | --- | --- |
| Field | General Example | Explanation (and more specific examples) |
| Chemistry | Interactive models of chemical compounds | Sites like ChemEd DL use 3D models of chemical compounds in order to provide a visual of how all the separate parts work together. Parts of these 3D models can be broken apart and recombined to practise working which chemical structures. This is great, since we can’t actually see chemical compounds with the naked eye. |
| Geology |  |  |
| Advertising |  |  |
| Gaming |  |  |
| Medicine |  |  |
| Architecture |  |  |
| Invention |  |  |
| Animation |  |  |

4. What are some of the 3D Modeling programs available to you?

5. Write a brief blog post explaining what you are sad to leave behind in 2D Animation, and what you are looking forward to learning during 3D Modeling!