



Prifysgol Cymru
Y Drindod Dewi Sant
University of Wales
Trinity Saint David

200
1822 - 2022

Introduction to 3D Modelling (ACCA4042) - 3D Modelling Showcase

Alex Walton

BA Computer Games Design (Hons)

School Of Applied Computing - University Of Wales Trinity Saint David

14/1/2026

Table of Contents

3D Model Showcase Evidence.....	3 - 4
---------------------------------	-------

3D Model Showcase Evidence

3D Model Showcase

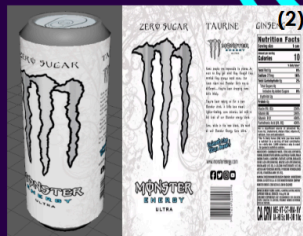
Alex Walton
BA Computer Games Design (Hons)
University Of Wales Trinity Saint David

TABLE OF CONTENTS

Table Of Contents.....	2
Introduction.....	3
Soda Can Model.....	4
Dumpster Model.....	5
Tea Cup and Saucer Model.....	6
Lamp Post Model.....	7
House Model.....	8
References.....	9

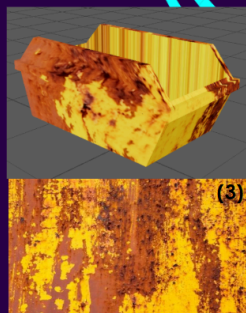
Soda Can Model

First beginning with a primitive cylinder, extrusions were applied to the top and bottom faces to create the appearance of a mass produced drink can. A white monster can (1) served as inspiration due to its distinctive size. The packaging for the product (2) was then applied to provide a full appearance.



Dumpster Model

After initial extrusion experimentation with closed lid dumpster models the final model has been based on industry standard skip dumpsters. Originally a primitive cube, an extruded edge loop followed up by shelling the model produced an "open" appearance and edges were carefully moved to create the final shape. Like the soda can, a realistic look was made using rusted yellow image (2).



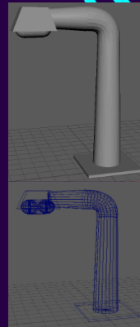
Tea Cup and Saucer Model

Making use of several cylinders, the largest was shelled and rounded off to produce the cup element. 3 more cylinders were merged using the bridge technique and shifted into the cup to create the full mug. One more cylinder was flattened and extruded to create a saucer producing the drink set model appearance.



Lamp Post Model

Using more cylinders, following the same techniques as the tea cup model, a single cylinder was placed on a flattened cube to form the base and then the cylinder was stretched vertically and bridge to an adjacent cylinder to form an initial L shape. A cube and 2 spheres were then molded to form the lamp portion (as seen in the wireframe). The lamp was finally attached to the post to create the finished model.

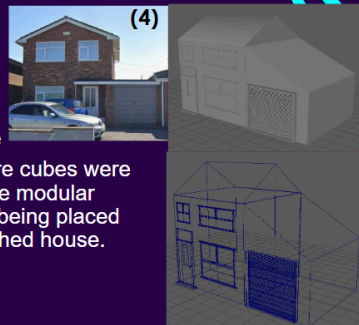


REFERENCES

- [1] "Zero Ultra," Monsterenergy.com, 2024.
<https://www.monsterenergy.com/en-us/energy-drinks/zero-sugar/zero-ultra/> (accessed Jan. 14, 2026).
- [2] "MONSTER ENERGY WHITE CAN," Infinity Design Co., 2021.
<https://www.infinitydesignco.com/product-page/monster-energy-white-can> (accessed Jan. 14, 2026).
- [3] "Rusted yellow painted metal, abstract texture metal background," Premium Photo, Freepik, 2017.
https://www.freepik.com/premium-photo/rusted-yellow-painted-metal-abstract-texture-metal-background_1272704.htm (accessed Jan. 14, 2026).
- [4] [Google street view image]

House Model

Beginning with primitive cubes, edges were moved to create roofs and to create the windows and doors, more cubes were carefully extruded to produce modular windows and a door before being placed on the base to form the finished house.



Video link part 1 - <https://youtu.be/YnaHEMzHQdw>

Video link part 2 - <https://youtu.be/zsC04EMP7WM>