

3D model showcase - AW

by Alex Walton

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200
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Introduction to 3D Modelling (ACCA4042) - 3D Modelling Showcase

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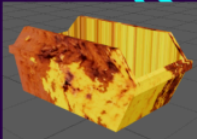
Soda Can Model

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.



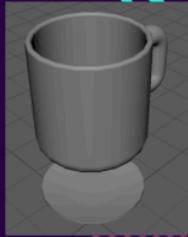
Dumpster Model

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).



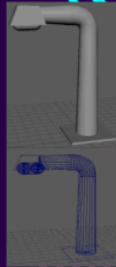
Tea Cup and Saucer Model

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.

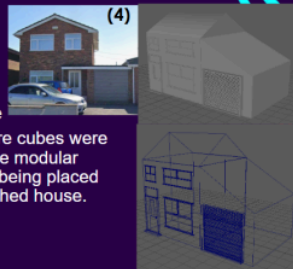


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<https://www.monsterenergy.com/en-us/energy-drink/zero-ultra/> (accessed Jan. 14, 2026).
- [2] "MONSTER ENERGY WHITE CAN," Infidely Design Co., 2021.
<https://www.infidelydesignco.com/product-page/monster-energy-white-can> (accessed Jan. 14, 2026).
- [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_1272734.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>

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GRADEMARK REPORT

FINAL GRADE

40/100

GENERAL COMMENTS

This submission meets the minimum requirements but demonstrates several significant issues that limit its overall effectiveness. The work was submitted late, and not all required shots are accompanied by corresponding wireframe views, reducing the clarity of the modelling process. In addition, appropriate techniques such as quad draw were not applied where expected, notably in the modelling of the soda can ring pull. The presentation quality also detracts from the work, as it was recorded using a phone pointed at a screen, resulting in a lack of professionalism and clarity. Greater attention to brief requirements, technical workflows, and presentation standards is needed in future submissions.

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