

Technologist work from the specifications on a brief to create a technological outcome that is acceptable to their stake holder.

This will include functional modelling - 5 things. What are they?

1. Thinking!
2. Talking!
3. Drawing!
4. Physical mock up!
5. Computer simulation!

Scenario - Making a muffin with a partner

Who is the stake holder?

me & my buddy Jess

Brief (overview sentence) How do you find this out? Talk to the stakeholder.

To make a chocolate muffin with Jess.

Specifications of Brief (eg must have/be according to the stakeholder) Draw it.

1. White chocolate
2. Cream and chocolate dust
3. Microwave recipe
4. cook in a mug

Planning What resources do I need to collect - thinking:

- | | | | |
|----------------------|-----------------------|-------------------|-----------------|
| 1. Cocoa | 7. Sugar | 13. Bowl | 20. knife |
| 2. Self-rising flour | 8. Vanilla essence | 14. Beater | 21. Napkin |
| 3. Eggs | 9. Fillings | 15. Cream | 22. Wet cloth |
| 4. Milk | 10. Cooking spray | 16. Toppings | 23. Oil |
| 5. Microwave | 11. Measuring spoons | 17. Recipe | 24. Icing sugar |
| 6. Mug | 12. Stirring utensils | 18. Chocolate | 25. Me |
| | | 19. Measuring jug | |

Functional Modelling of the muffin recipe



① Physical Mock up

- overflowed
- wasn't cooked at the bottom



② Testing & Trialling

- made in two mugs
- cooked properly! Yay!



③ Version 5

- eat it straight away.