

Name:

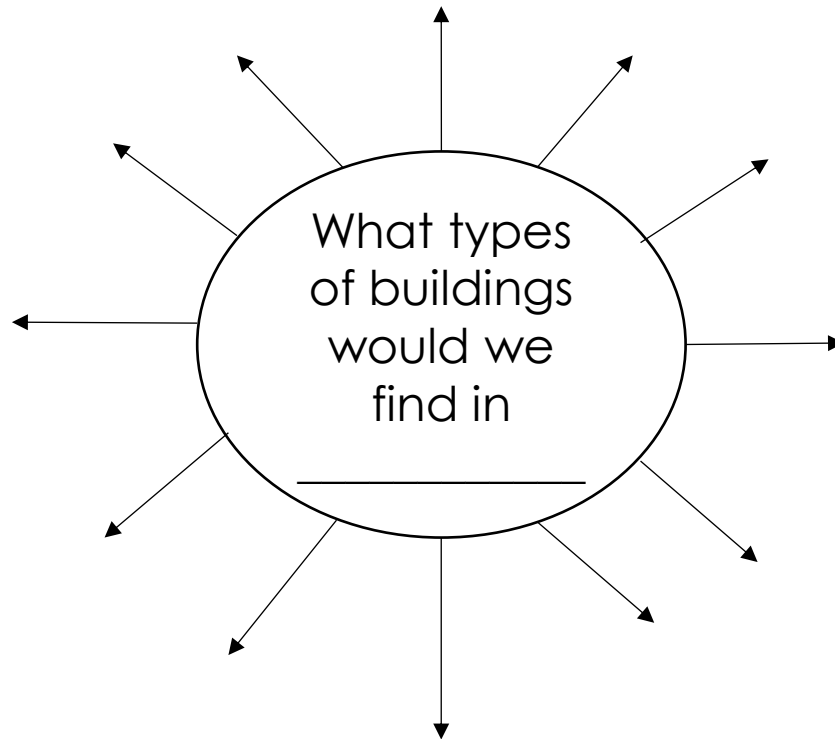
# Design Plan

Make and evaluate  
Technical knowledge

Architecture



# Starting point



Name.....



# Building Research

The building I have chosen is:

Essential Features	Size	Non-Essential Features	Size

Name.....

Key: S – Small, M – Medium, L - Large



# Interior Mood Board

Name.....



# Developing a footprint

Name.....

Functional plan

Floor \_\_\_\_\_

Architecture



# Developing a footprint

Name.....

Creative Plan Extension

Floor \_\_\_\_\_

Architecture

Blank area for drawing or writing.



# Homework – Research an architect

Your task is to:

Choose an Architect and find some examples of their work

Then write up a report that includes:

- Images of their work
- Some information about the architect and their style
- Your own thoughts on their work (like your own mini-review)

Some examples of famous architects you could choose include:

- Frank Lloyd Wright
- Richard Rogers
- Norman Foster
- 3XN
- Frank Gehry
- Aires Mateus



# Floor plan – Review Sheet

Architecture

My design has:	Review 1	Review 2	Review 3
All of the essential features from my building research sheet			
A clear outline of my building			
Interior and exterior walls that that have a thickness (not just 'a line')			
Clearly labelled rooms and spaces (including exterior spaces)			
Clearly marked interior and exterior doorways			
Clearly marked windows			
Marked out furniture locations (Tables, chairs, beds, fixtures etc.)			
A rough idea of a scale with a suggested measurement			
Measurements given for at least one side of your building			

Name.....





# Final plan – 2D Design

Screen Shot

Architecture



# Additional Floor (extension)

Screen Shot

Architecture



# Floor Plan Challenge



Plan 1

Plan 2

Plan 3

# Extension 1 - Traced Floor Plan

Screen Shot

Architecture



# Extension 2 - Traced Floor Plan

Screen Shot

Architecture



# Extension 3 - Traced Floor Plan

Screen Shot

Architecture



# Floor Plan Review

Your Name:  
Building Type:

Screen Shot

## Self Assessment

What has gone well and why do you think this?

What could you do to improve on your work?

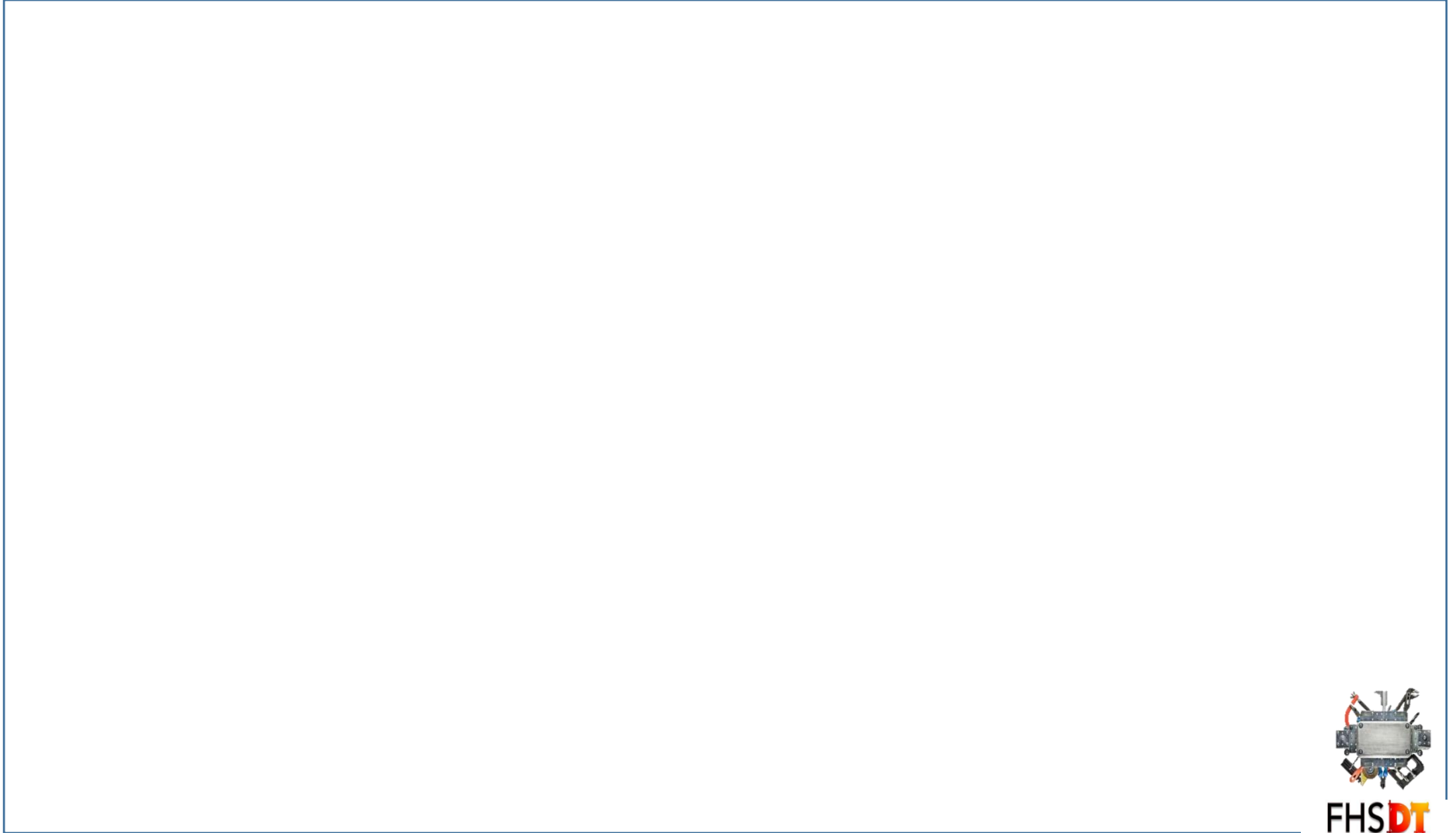
## Teacher Feedback

What Went Well:

Even Better If:

Mood board of images to inspire the exterior function of your building

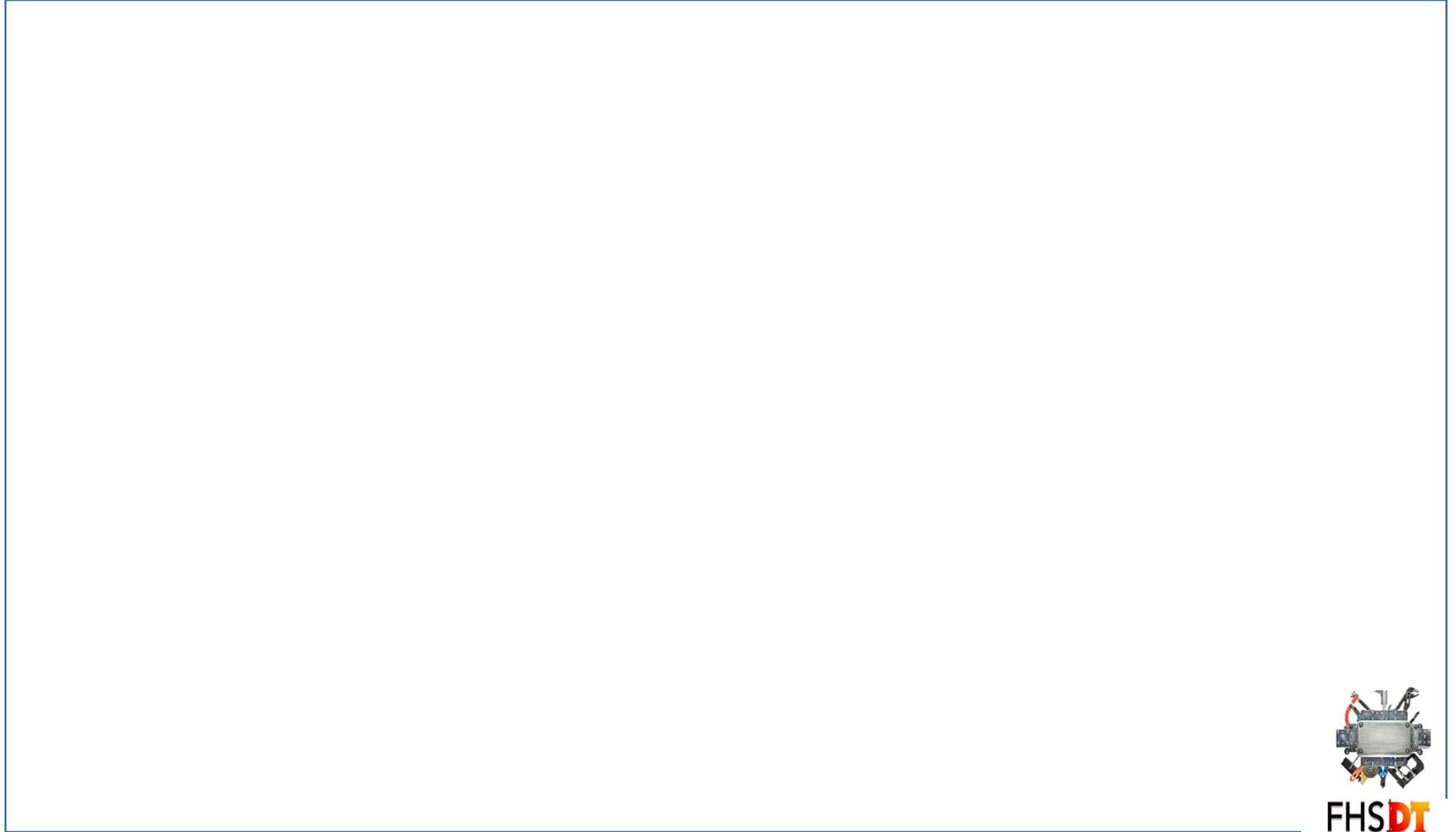
Architecture





Mood board of images to inspire the architectural design of your building

Architecture



# 2 sketch ideas for your building

Architecture

Idea 1

Idea 2



# Developing ideas using TinkerCAD

Architecture

Idea 1

Idea 2

Idea 3

Idea 4

# Final Prototype

Your Name:  
Building Type:

Front

Side

Above

## Your Feedback

Why have you chosen this design?

Describe your architectural style:

**Design Approved?**

**Yes**

**No**

# Challenge: How many can you create in 5 minutes?

Insert Screenshot

# Tinkercad Building – Review Sheet

Architecture

<b>My design:</b>	<b>R1</b>	<b>R2</b>	<b>R3</b>
Follows the same basic design as my prototype			
<u>Clearly</u> shows the buildings function			
<u>Clearly</u> shows the placement of windows and doors			
Has <u>all</u> features correctly aligned			
Has no unintended gaps between shapes			
Has some engraved details			
Has some embossed details			
Has no unsupported overhanging features			
Is grouped correctly to a 50x50x2mm tile			
<b>Extension 1:</b> Has additional exterior features			
<b>Extension 2:</b> Has a clear interior structure			
<b>Extension 3:</b> Has a detachable component			

# Completed 3D Model

Your Name:  
Building Type:

Above

Front

Detail

Side

## Self Assessment

What has gone well and why do you think this?

What could you do to improve on your work?

## Teacher Feedback

What Went Well:

Even Better If:

# Design Evaluation.

Name \_\_\_\_\_

Question	Feedback
What have you learnt during this entire CAD project?	
What do you think has worked well in this project?	<i>E.g. In this project I have spent a lot of time making sure my building resembles the research I conducted. Therefore I believe it can be clearly seen in my work what my building type is.....</i>
What feedback have you been given? And how has it made a difference to your design?	
Which part of your work are you most proud of?	
Looking back, what could you have done better or differently?	<i>E.g. This project gave me a chance to be creative, however I wish I had spent more time getting used to the software when we first started using it. Therefore I could have produced a much higher quality final product. The more I developed my skills in Tinkercad the more that seemed possible to make and produce.</i>
Did you make the progress that you expected to?	
Which parts of the project did you find most difficult?	
How would you complete this project differently next time?	