Abertay University

Dundee City Council

ROYAL ACADEMY OF ENGINEERING Ingenious

Royal Academy of Engineering Ingenious
On the Right Track: Engineering and Education for All

# Super Superstructures!

# Super Superstructures

## What are superstructures?

The superstructure of a building is the rigid framework of columns and beams that support floors, roofs and walls of the building

The superstructure is like your skeleton – it helps your body to stand!

# Super Superstructures

## Dundee Rail Station Superstructure

The superstructure of the new rail station is made steel; it has to be very strong

The steel superstructure was slowly built like again mechano or Lego set

# Super Superstructures

## Dundee Rail Station Superstructure

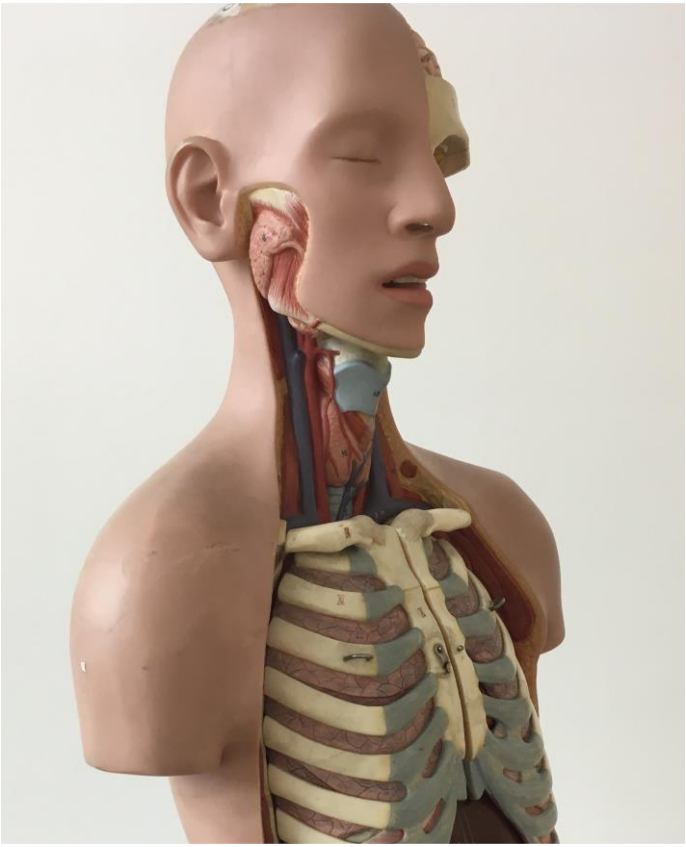
# Super Superstructures

## What is cladding?

Cladding is the material that covers the superstructure – just like your skin covers your bones

The cladding helps to keep the building watertight and protect it

Like skin, cladding on a building is lightweight



# Super Superstructures

## Putting the skin on the building!

The cladding makes the building look attractive

This is good as the station is a gateway for people to our city

Do you know the name of the person who designs the buildings?

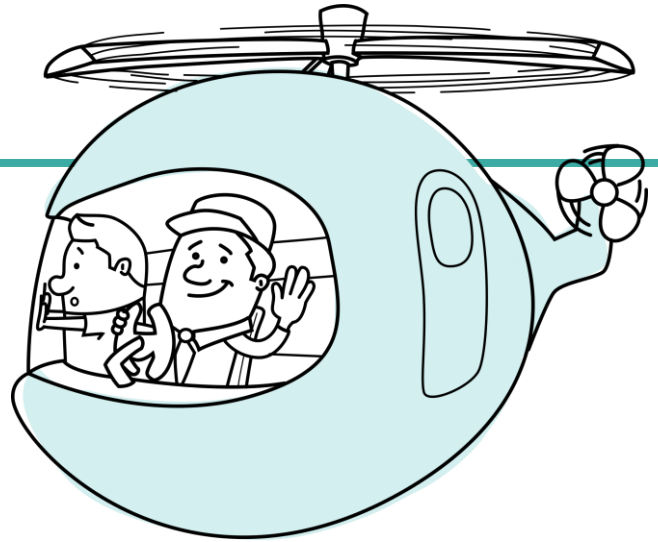
# Super Superstructures

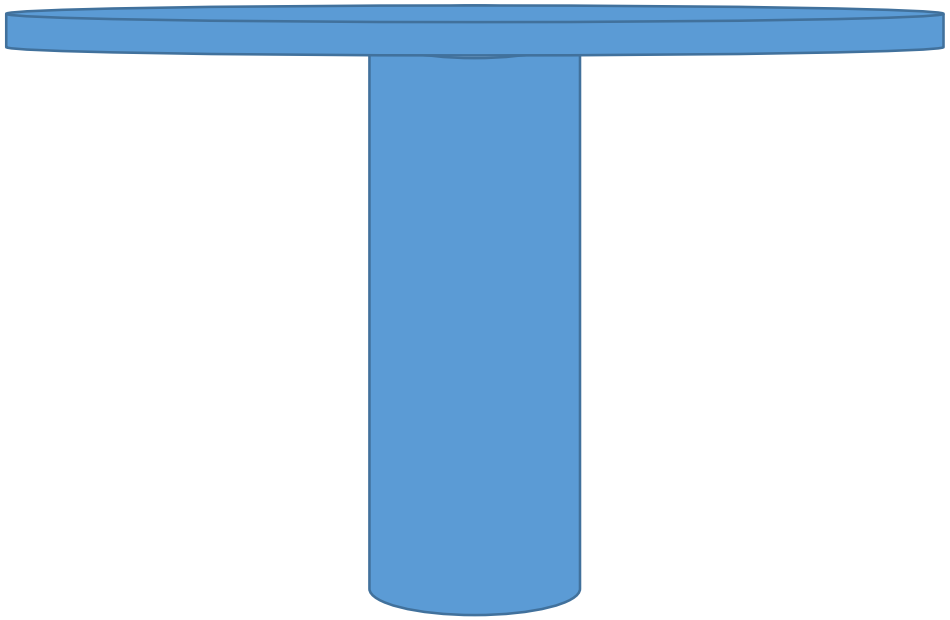
## What will the Rail Station look like once it’s completed?

The station will be the focal point for anyone arriving in Dundee

But will they be aware of the superstructure holding it up!

# Activity



## Let’s build our own superstructure!

Using the materials provided you should build your own helipad structure!