Product Design Bridging Task:

Design Brief: **Push the boundaries of the traditional "chair".**
Use **Origami or Parametric inspired design,** to create **innovative lounging furniture**

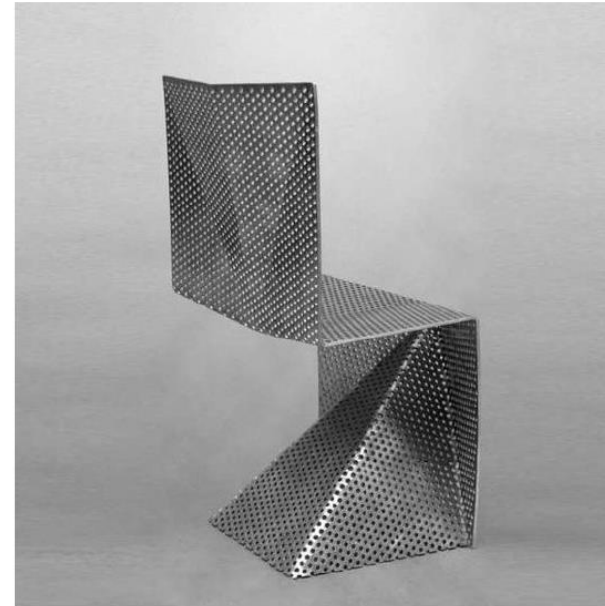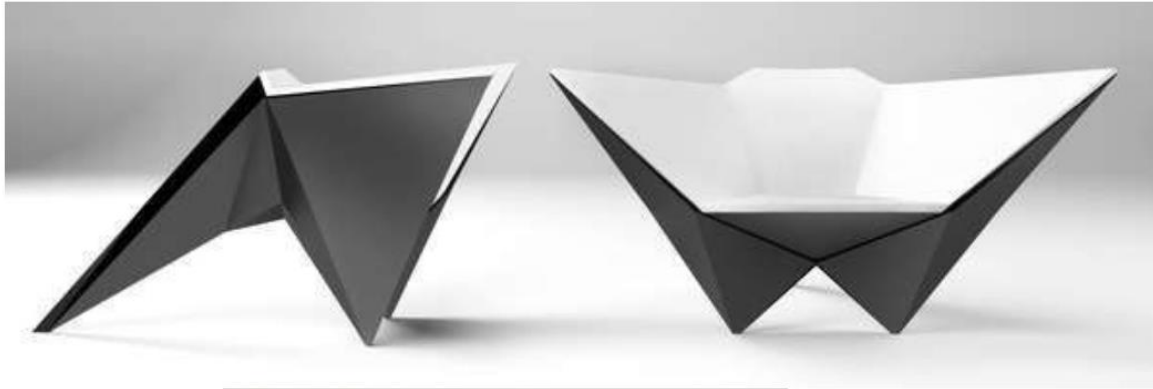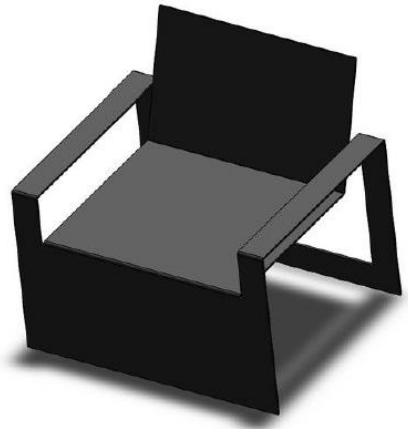|		**Deadlines:**
1.	**Research:** Study iconic and innovative furniture designs. Create a mood board and use annotation to identify elements of the design which you could further develop or use as inspiration, underline shape, colour, style.	**15th July**
2.	**Initial Design Ideas:** Sketch a range of design ideas, using both 2D and 3D drawing techniques to show multiple perspectives of each idea.	**29th July**
3.	**Modelling:** Use paper or cardboard to model a minimum of two different design ideas	**12th August**
4.	**Ergonomic Testing:** Use the human figure model provided to test the comfortability of your model. You can evidence this testing through photography or sketching.	**26th August**
5.	**Final Design:** Present your final design through a refined sketch, with a storyboard to demonstrate how your design is bent to shape (origami) or slotted together (parametric).	**9th September**

Origami Furniture Design

The art of folding sheet material to create three-dimensional furniture

Parametric Furniture Design

Consists of evenly spaced rows or stacks of shapes that create the illusion of large three-dimensional forms.
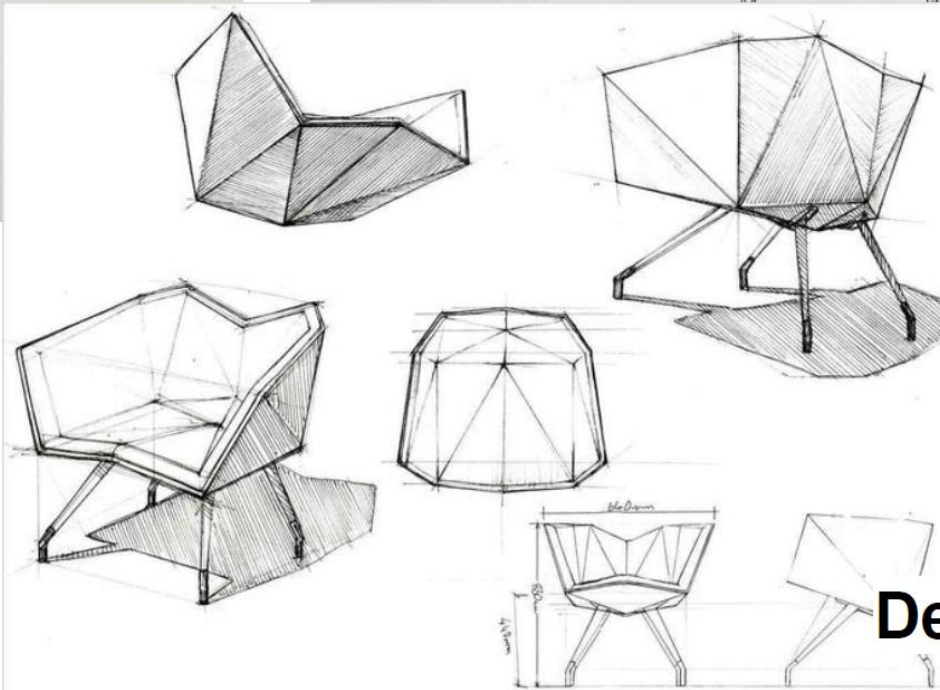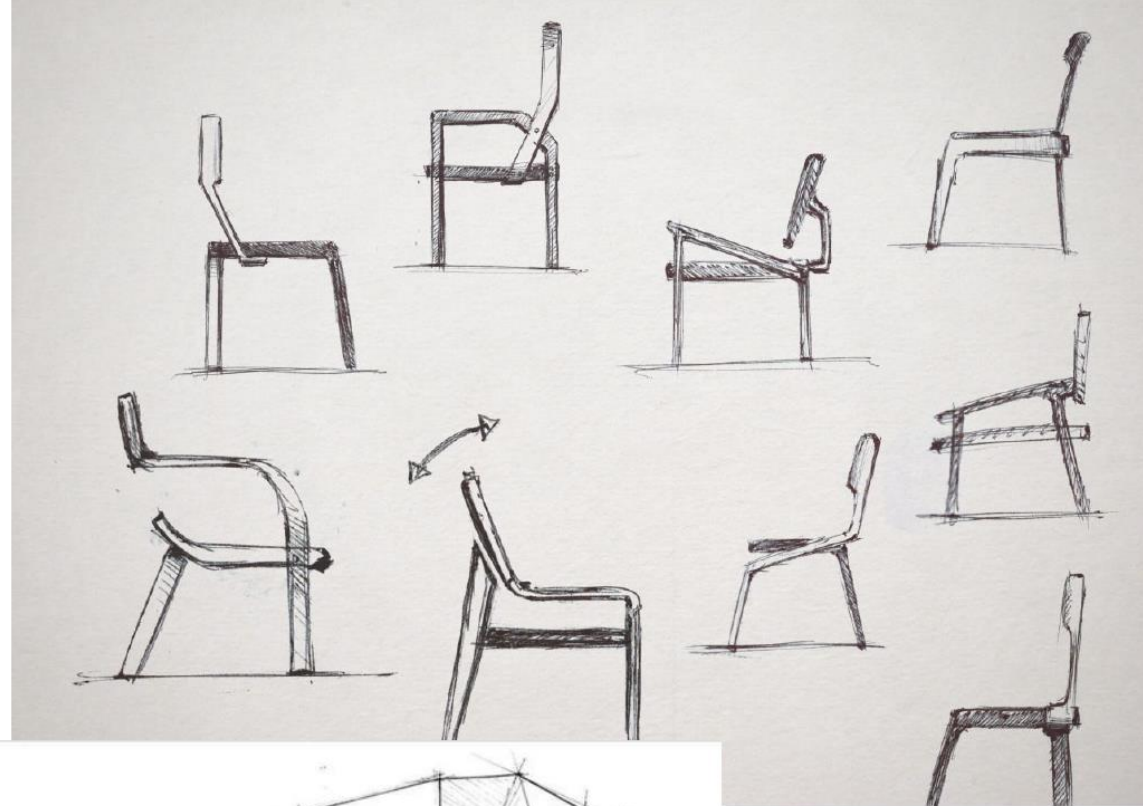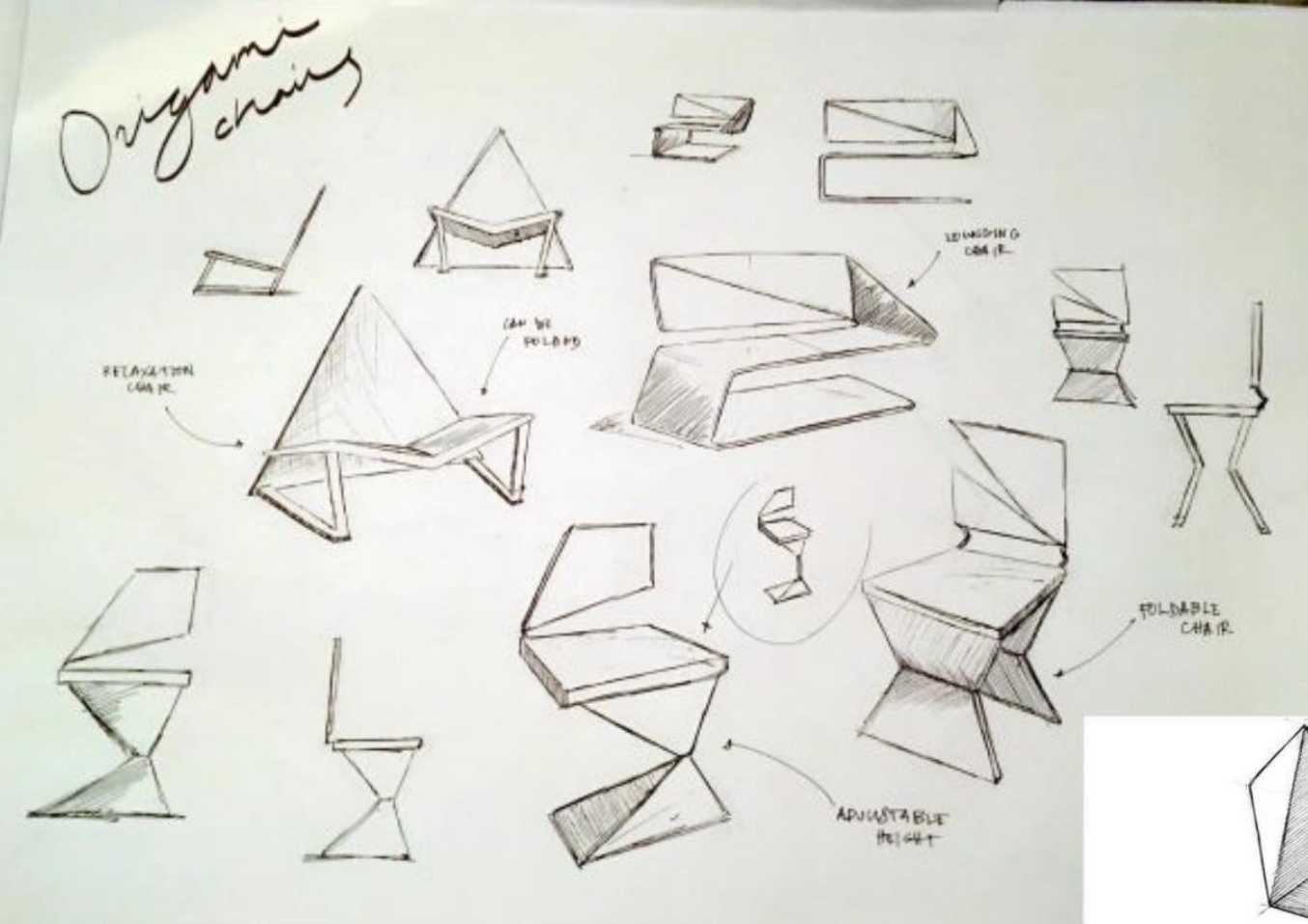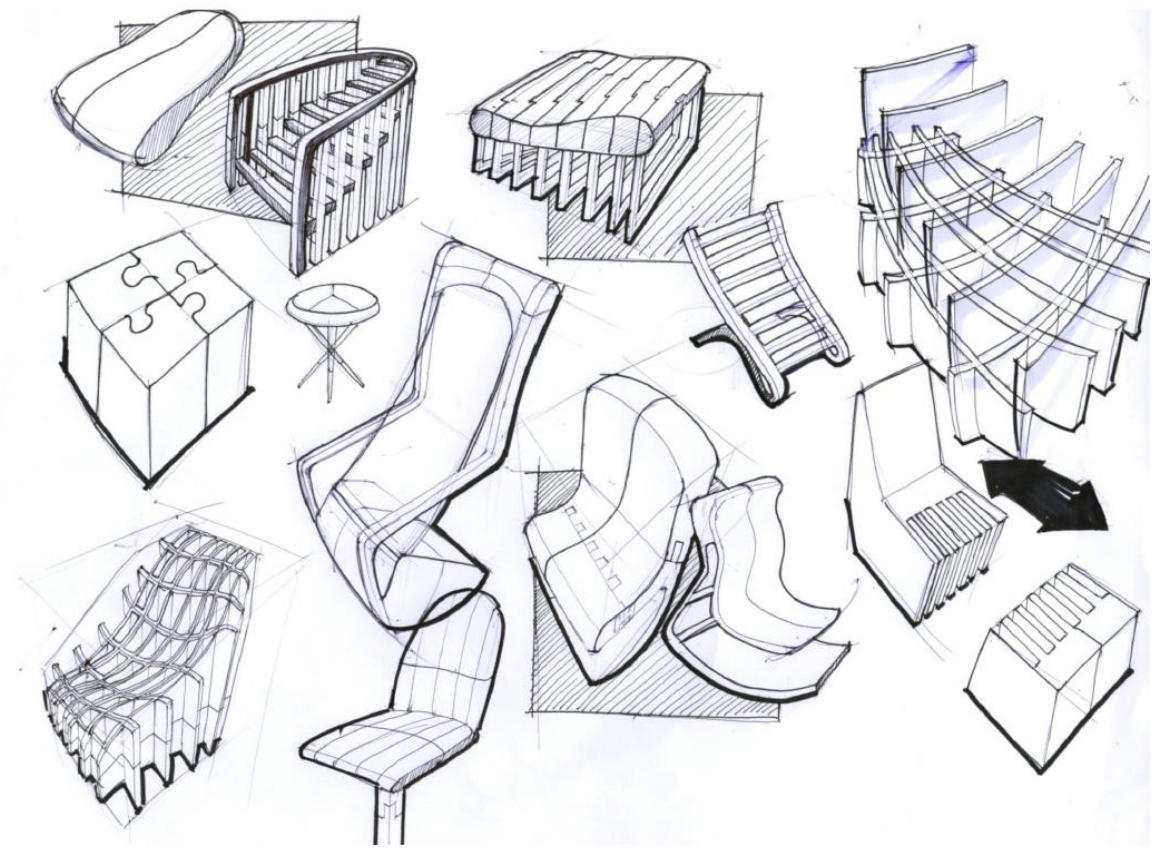
Iconic Chair Mood Board

1. **Research:** Study iconic and innovative furniture designs. Create a mood board and use annotation to identify elements of the design which you could further develop or use as inspiration, <u>consider shape, colour, style.</u>
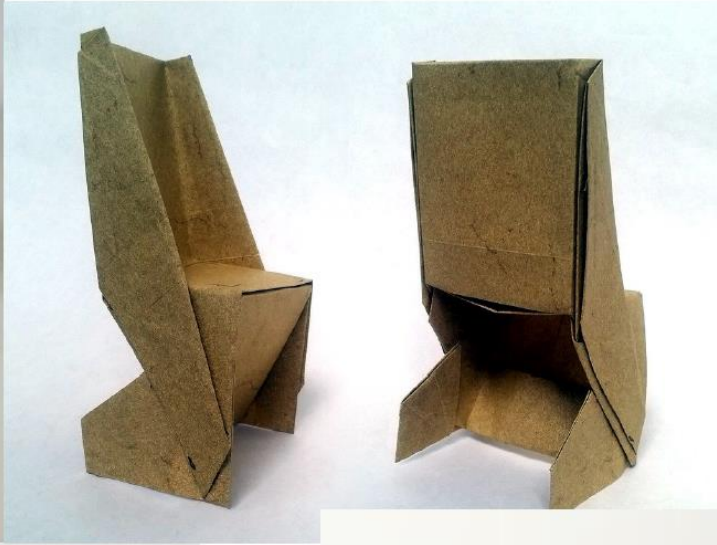
Research

Design- Origami

Design- Parametric

2. **Initial Design Ideas:** Sketch a range of design ideas, using both 2D and 3D drawing techniques to show multiple perspectives of each idea.

Design

Cardboard Seat
Georgia Tech 2010

Model- Origami

Model- Parametric

3. **Modelling:** Use paper or cardboard to model a <u>minimum of two</u> different design ideas

Model

POSSIBLE SKETCHES

FIG.1

A

B

C

FIG.2

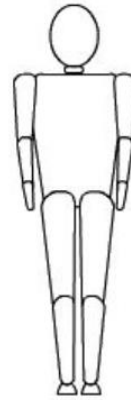FIG.3

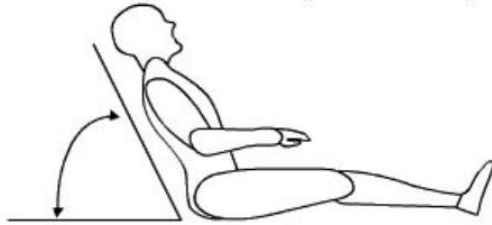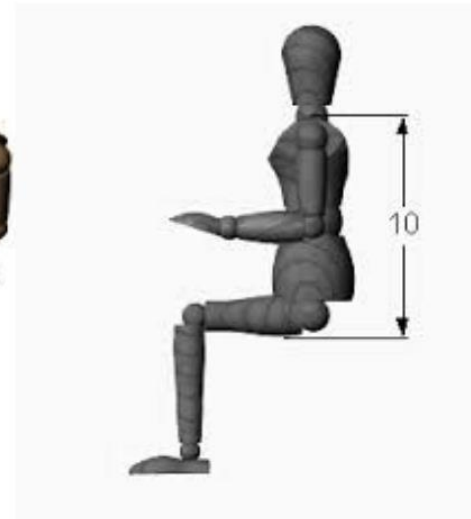FIG.4

850mm

850mm   550mm   450mm
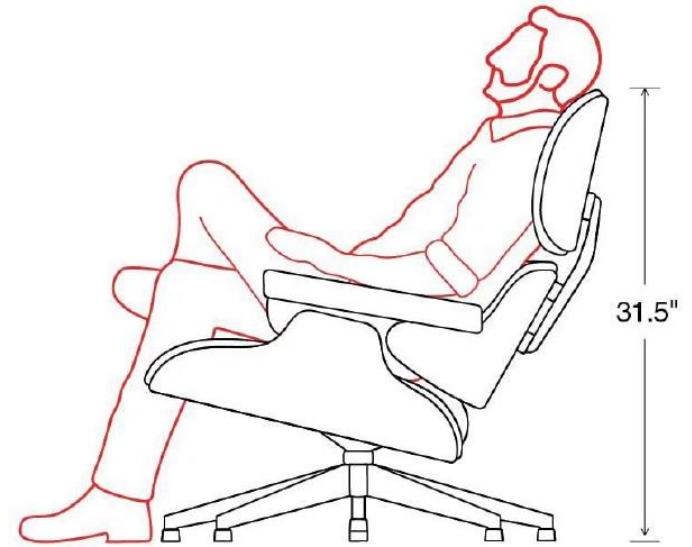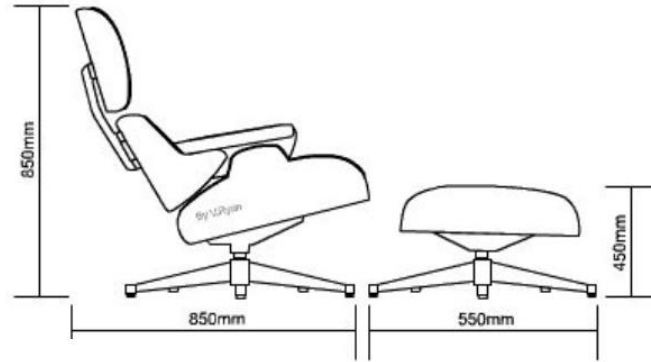
31.5"

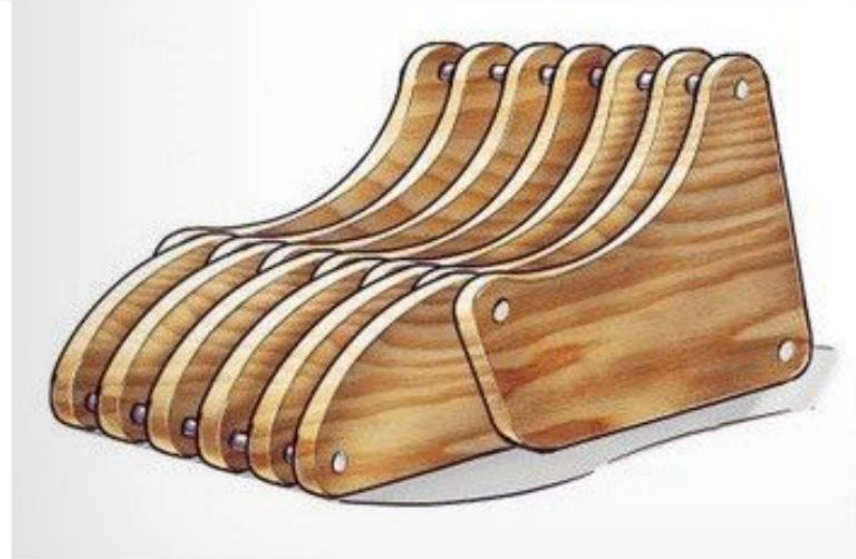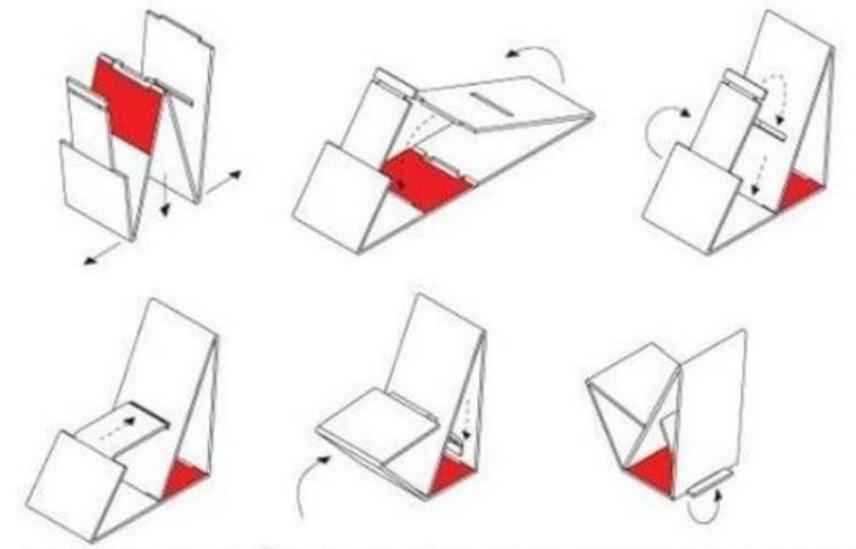850mm   450mm

850mm   550mm

10
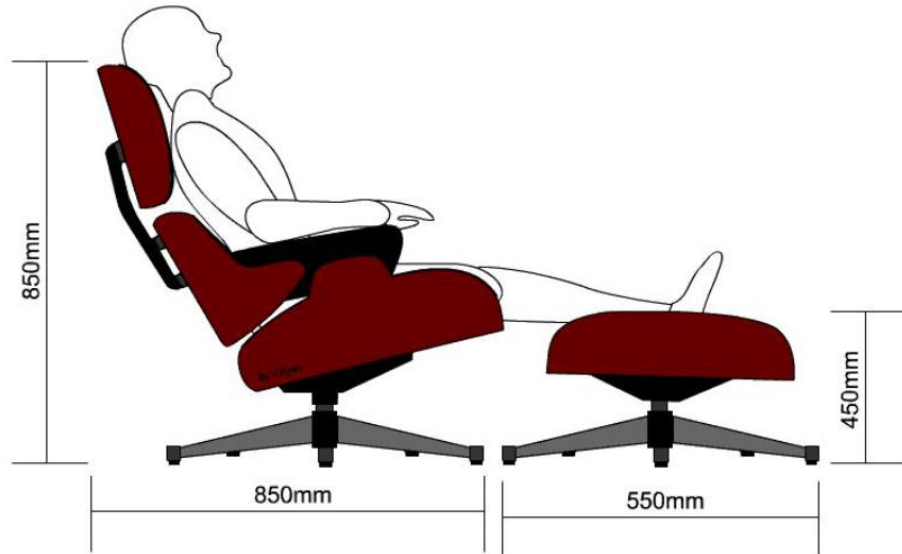
Test

4. **Ergonomic Testing:** Include <u>evidence</u> of testing by either using <u>sketches</u> of a basic human figure (see previous page) sat on your design to test the comfort / ergonomic features of your chair OR create a scale model of human figure and show <u>photographs</u> of it sat on your model.

Test

Present

5. **Final Design:** Present your final design through a refined sketch, with a _storyboard_ to demonstrate how your design is bent to shape (origami) or slotted together (parametric).

Present