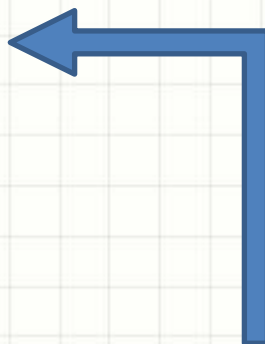


Welcome to **YOUR** Lincoln Schools Integrated Product Design Practical Day

Les Porter
Mike Finney
and Ian Till

HOLLY MARGERISON



Wednesday, April 29, 2015



Your Projects ?



St Peter & St Paul



Lincoln Christ's Hospital



Priory Witham Academy



LET



The Context – what you are going to design and make.

A **Novelty Product** for a **Celebration**

The only starting points are:-

1. that it has to be an electronic product and
2. that its case has to be 3D printed

Maybe it could be something like this?

Would/could the LED's flash in a sequence or just on and off?

Many more questions to ask

Where do the batteries fit?

What size should it be?

How do you switch it on?

How would we change the batteries easily?

How could we put the design on the surface?



"YOU CAN'T BE A
GOOD DESIGNER UNLESS
YOU CAN DRAW — IT'S ESSENTIAL TO
SHOWING HOW THINGS WORK. DRAWING
BRINGS SCIENCE AND ART TOGETHER,
INTERPRETING COMPLEX IDEAS WITH
JUST A PENCIL AND PAPER."



James Dyson

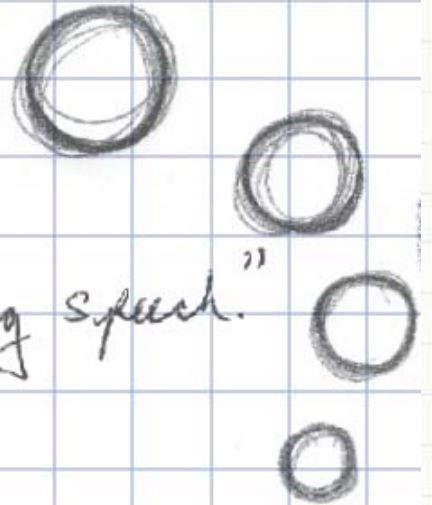
"LEARN FROM THE
FAILURES AS MUCH
AS THE SUCCESSSES."

FOU

LOOSE AND SCRUFFY, NEAT AND SMOOTH,
SKETCHING IS A BRILLIANT WAY OF
THINKING OUT LOUD ON PAPER.

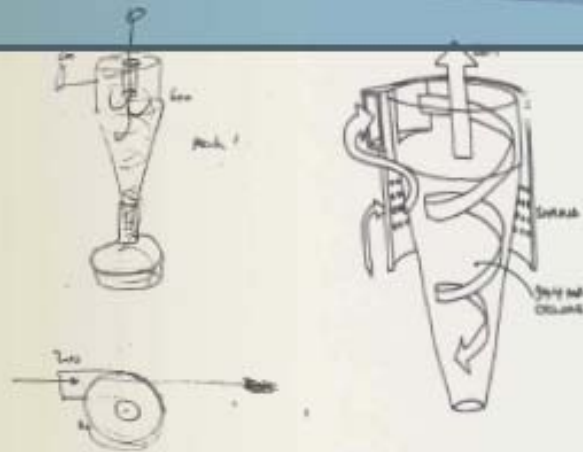


"A good sketch is better than a long speech."
Napoleon Bonaparte



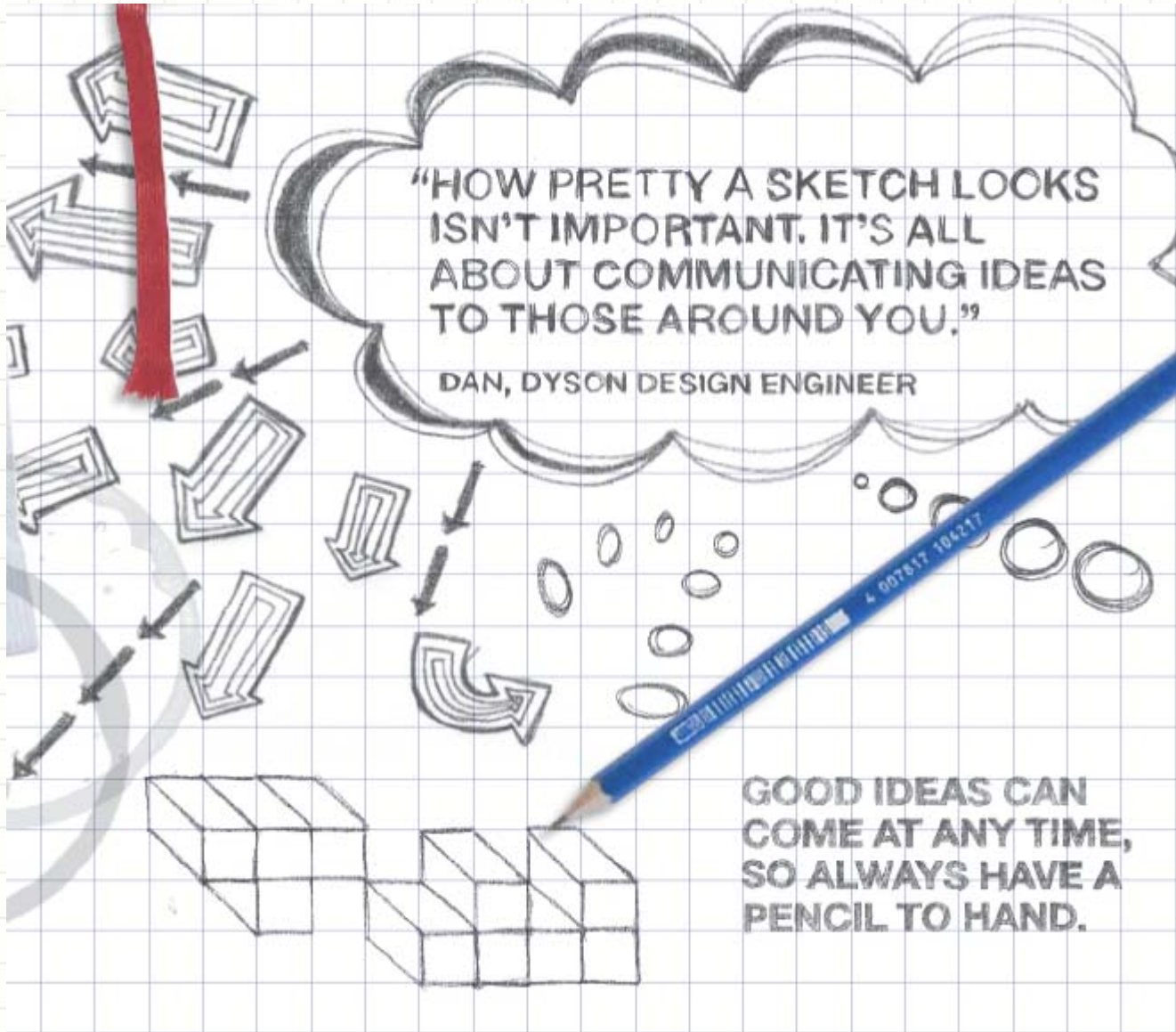
TOP SECRET

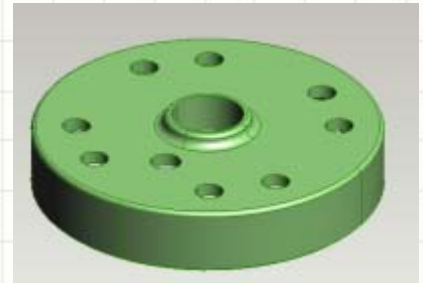
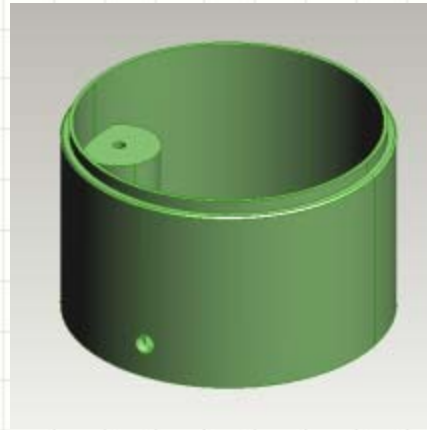
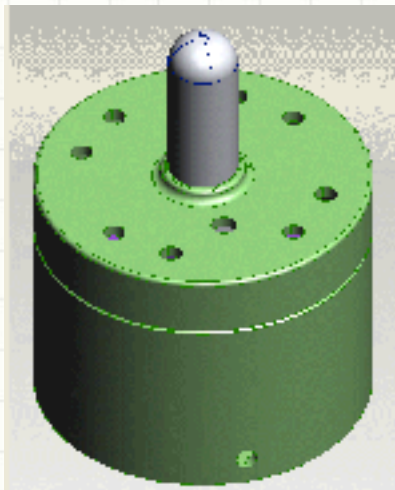
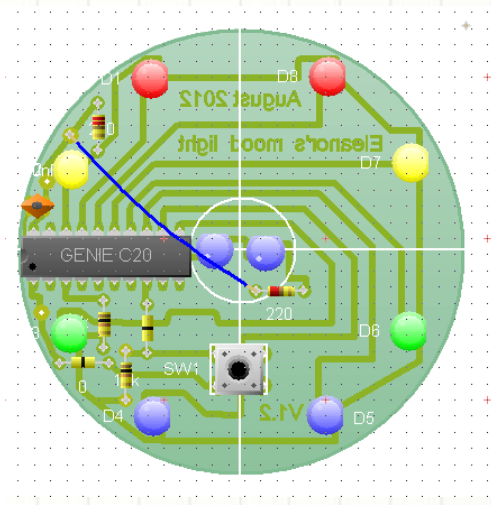
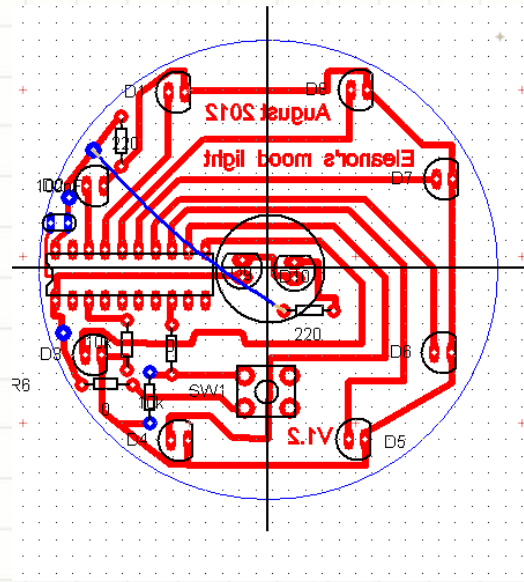
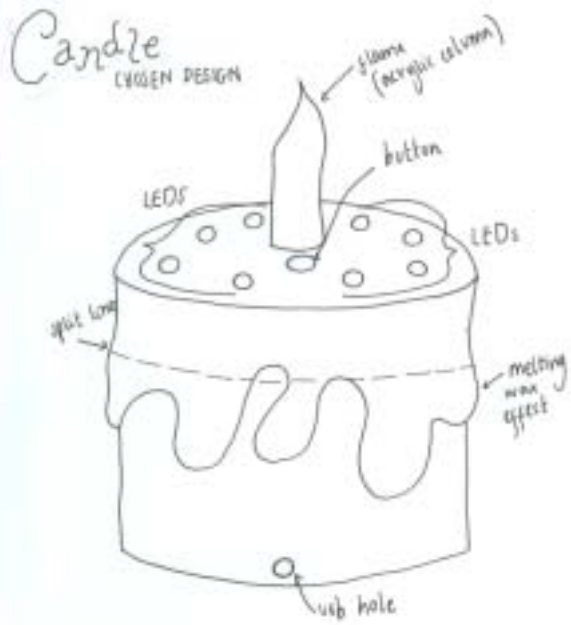
EVERY DYSON DESIGN ENGINEER
RECORDS THEIR ORIGINAL IDEAS IN
A SIGNED AND DATED SKETCHBOOK.
THIS WAY, THEY CAN PROVE THE
ORIGINALITY OF THEIR DESIGNS
AND INVENTIONS.



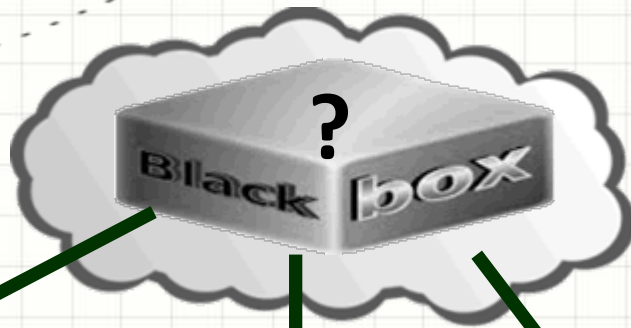
to the machine - physical implementation and
the physical matter.







It's all about Concurrent Design



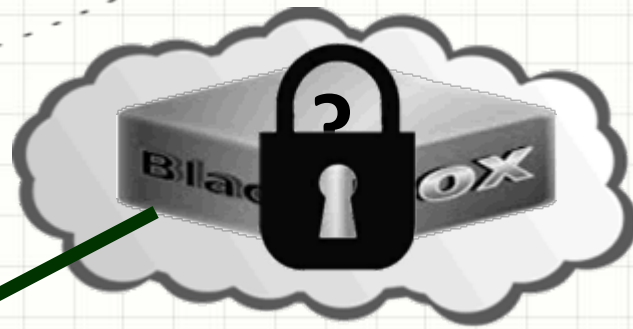
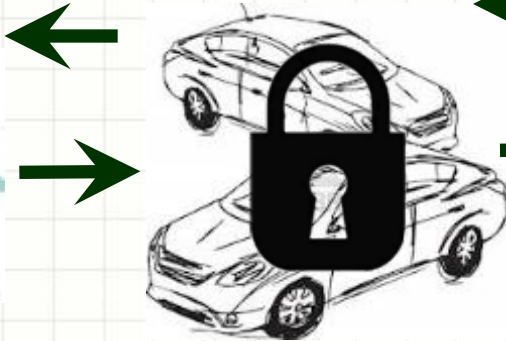


Illustration by Chris Gase



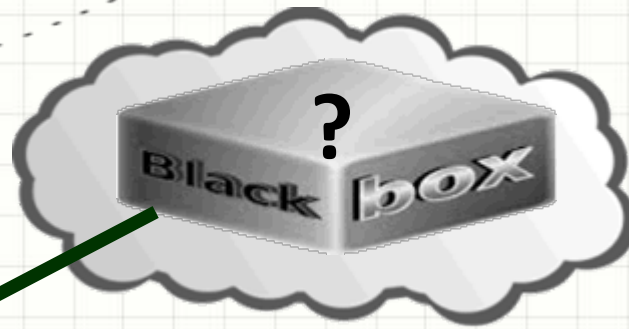


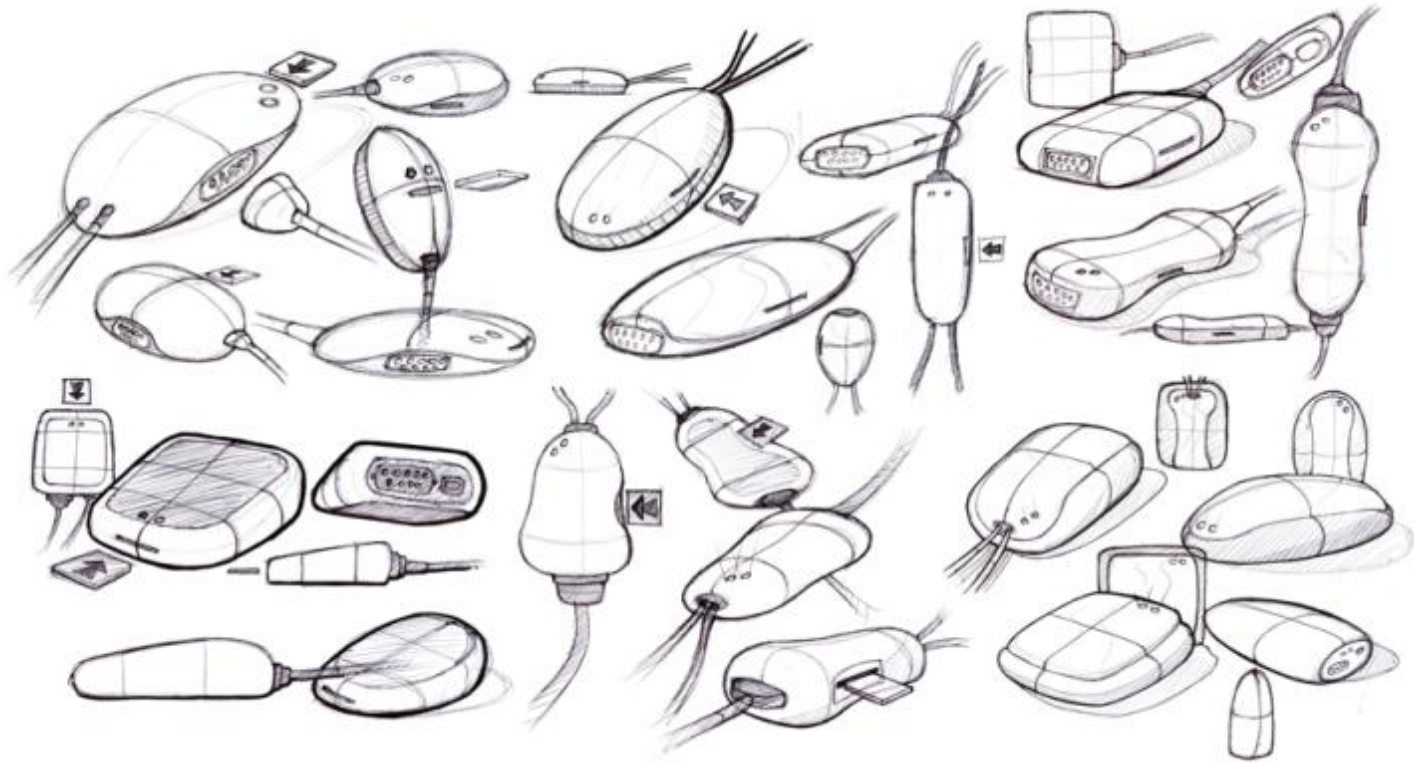
Illustration by Chris Gase



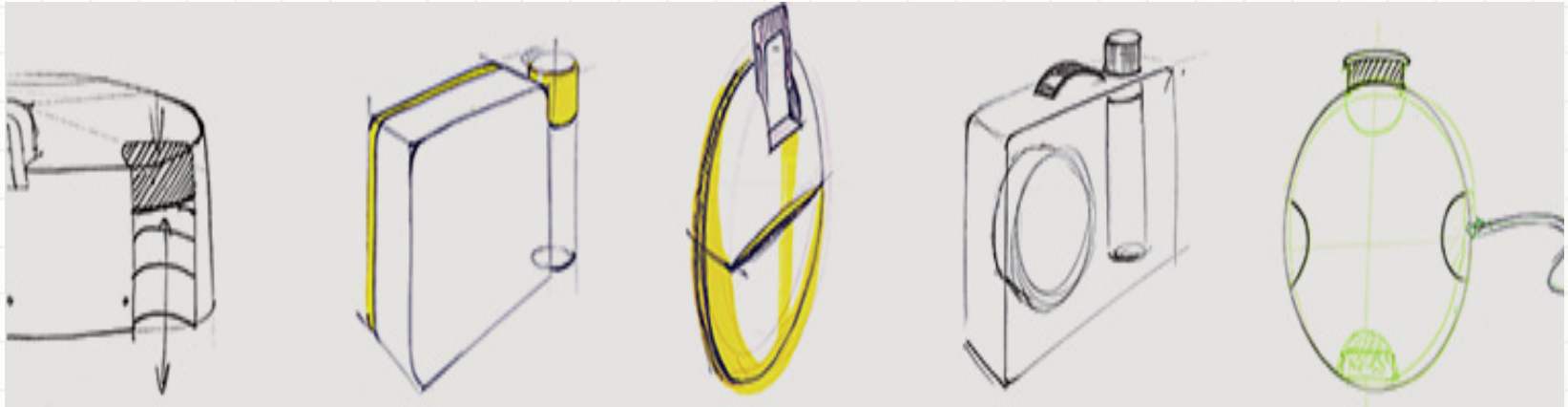
CONCURRENT DESIGN

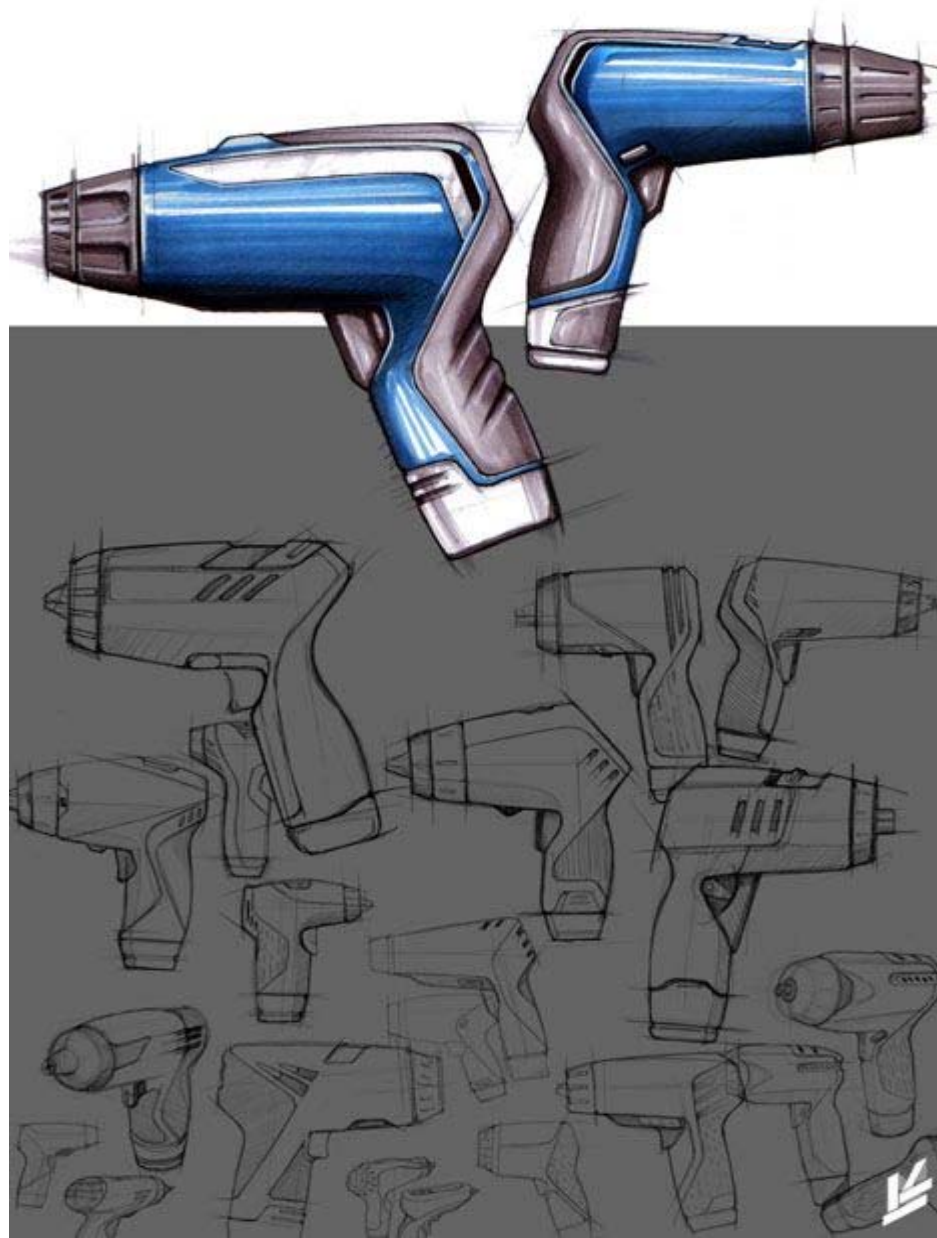
www.staterstock.com | 888534655

Loads of sketch models up to **The Cloud**



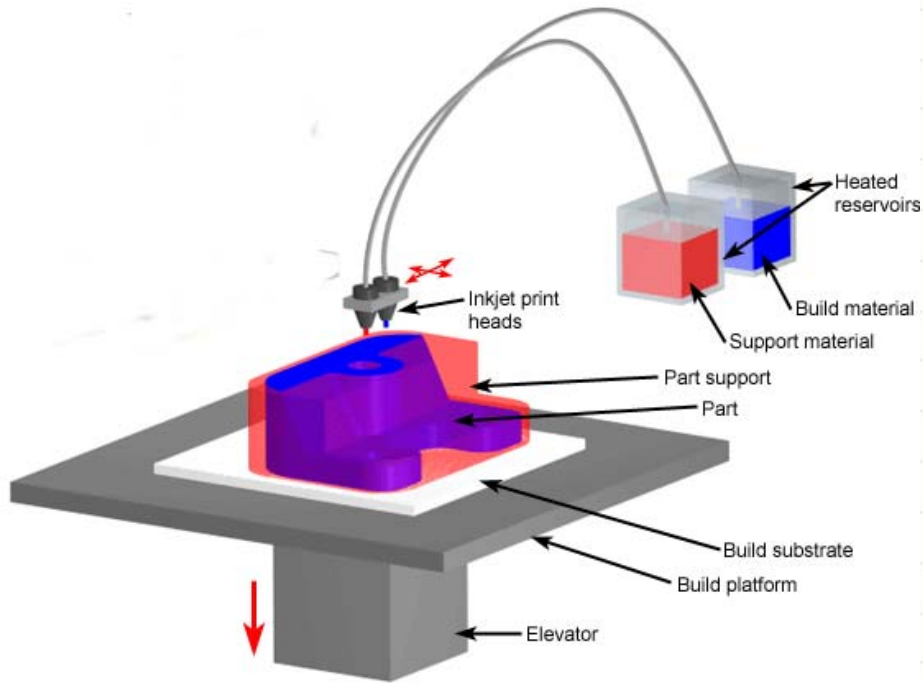
Rendered Sketch of the concept idea by the end of this 1st session





Something
for you to
inspire
towards

3D Printing



ANY QUESTIONS ?