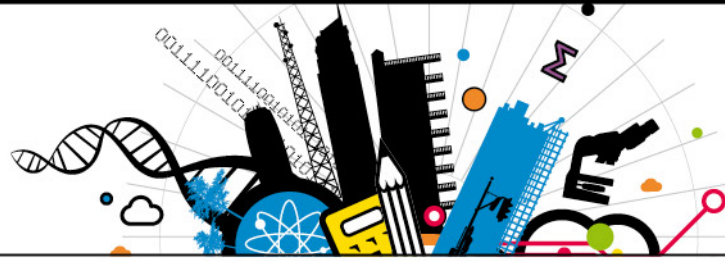


The IET

Faraday Challenge Day

Certificate



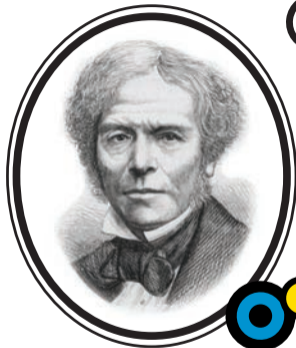
The IET

Faraday Challenge Day

Currency

Faraday

Faraday Reserve Note **ONE FARADAY**

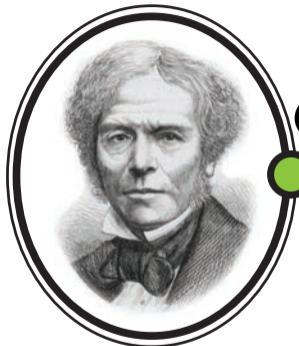


Michael Faraday



Faraday

Faraday Reserve Note **FIVE FARADAYS**

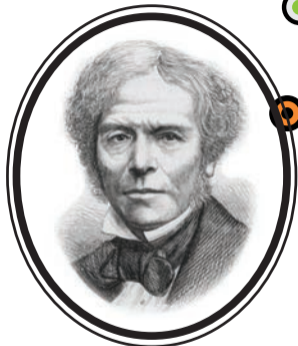


Michael Faraday

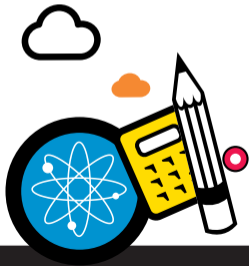


Faraday

Faraday Reserve Note **TEN FARADAYS**

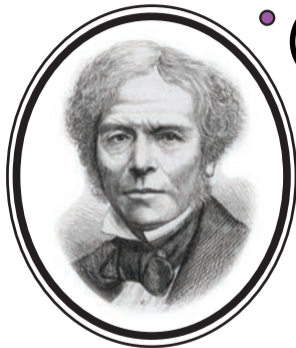


Michael Faraday

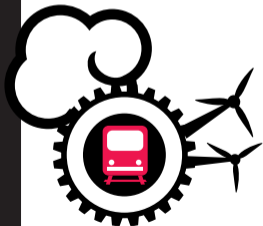


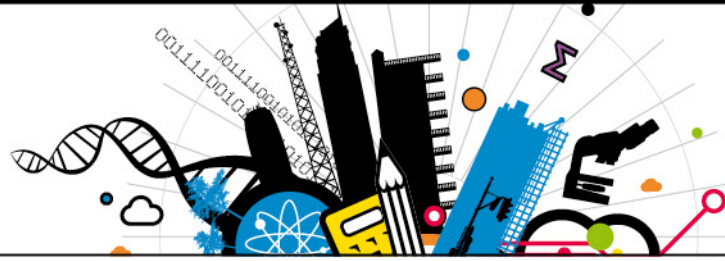
Faraday

Faraday Reserve Note **TWENTY FARADAYS**



Michael Faraday

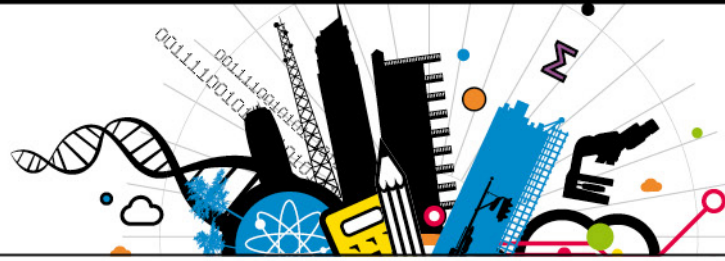




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Final Messages

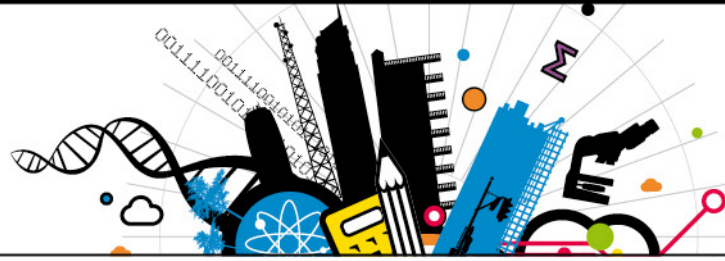


Message 1

The message you need to transmit to your team is:

FOOD ARRIVING

You have 5 minutes. Good luck!

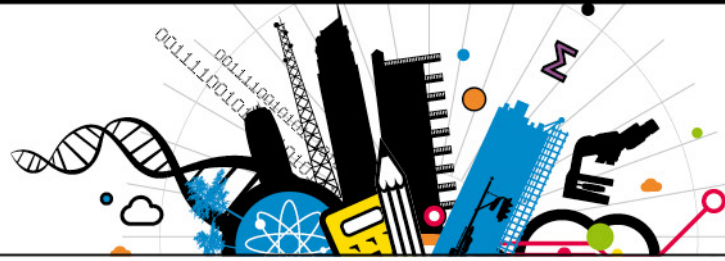


Message 2

The message you need to transmit to your team is:

TRANSPORT NOW

You have 5 minutes. Good luck!

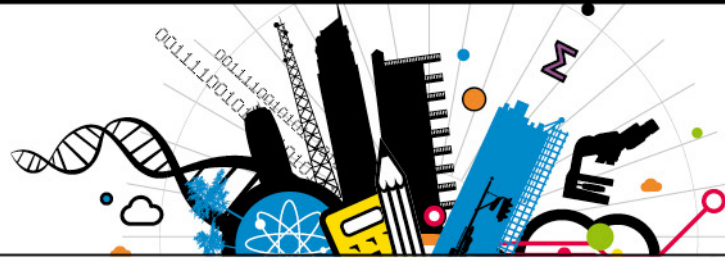


Message 3

The message you need to transmit to your team is:

ENGINEER HELP

You have 5 minutes. Good luck!

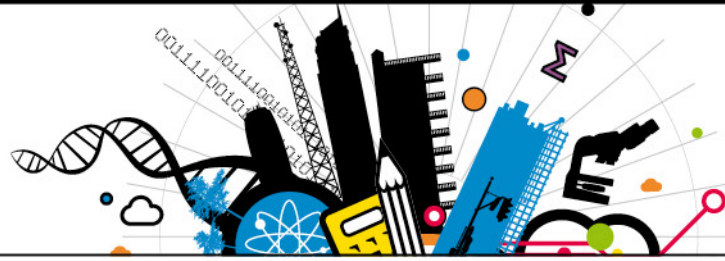


Message 4

The message you need to transmit to your team is:

HELICOPTER OK

You have 5 minutes. Good luck!



Message 5

The message you need to transmit to your team is:

HELP TOMORROW

You have 5 minutes. Good luck!

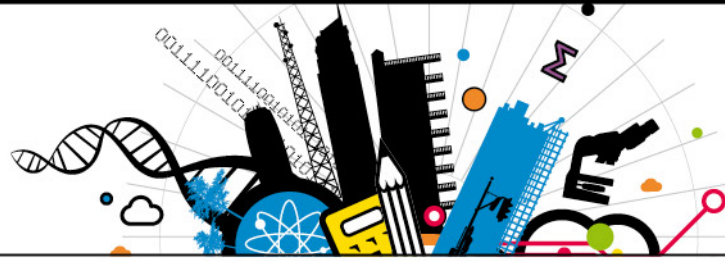


Message 6

The message you need to transmit to your team is:

SOLUTION DONE

You have 5 minutes. Good luck!

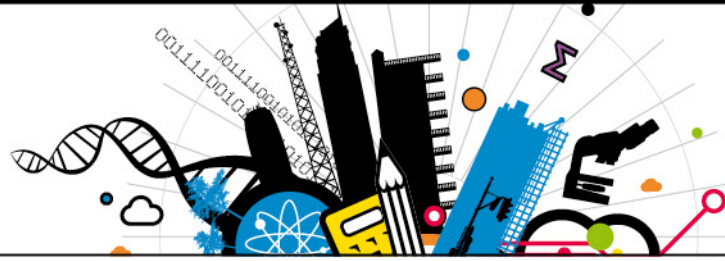


Message 7

The message you need to transmit to your team is:

RESCUE COMING

You have 5 minutes. Good luck!

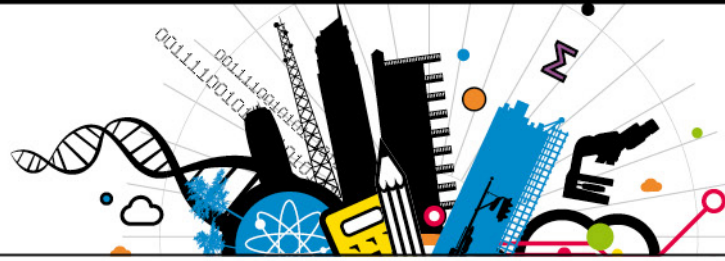


Message 8

The message you need to transmit to your team is:

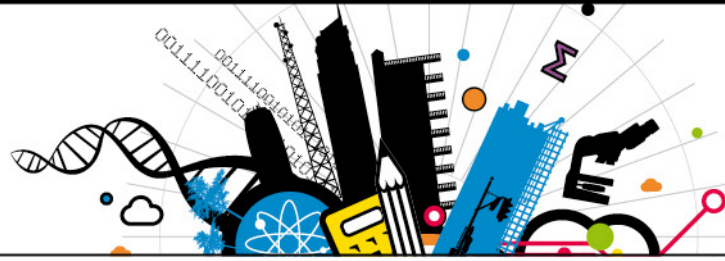
OK COMMUNICATE

You have 5 minutes. Good luck!



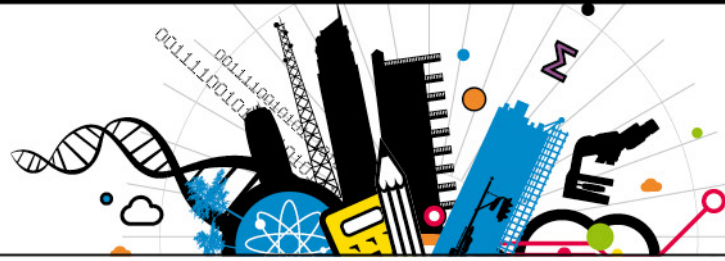
Practice message:

NEED ENGINEER IN AT 5



Practice message:

WILL NOT COME UNTIL 8



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Student name badges



Faraday Challenge Day

Project Manager



Faraday Challenge Day

Accountant



Faraday Challenge Day

Mechanical Engineer





Faraday Challenge Day

Electrical Engineer



Faraday Challenge Day

Cryptographer



Faraday Challenge Day

Cryptographer





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Price tags

Masking tape
30cm

F5.00



Masking tape
30cm

F5.00

Double-sided tape
30cm

F8.00



Double-sided tape
30cm

F8.00

Plastic cup
1 cup

F1.00



Plastic cup
1 cup

F1.00

Tin can
Each

F5.00



Tin can
Each

F5.00

A4 plain paper
Each



A4 plain paper
Each

Coloured card A4
Each



Coloured card A4
Each

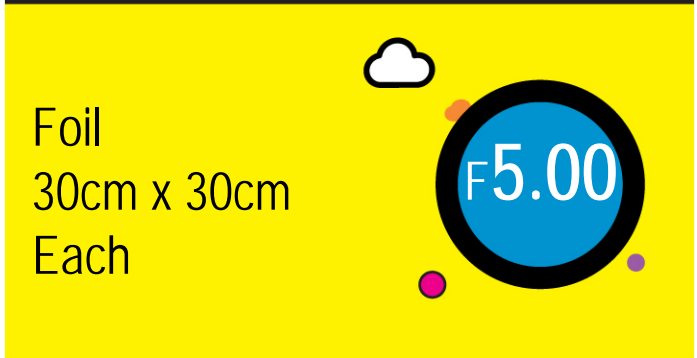
Foil
30cm x 30cm
Each

F5.00



Foil
30cm x 30cm
Each

F5.00



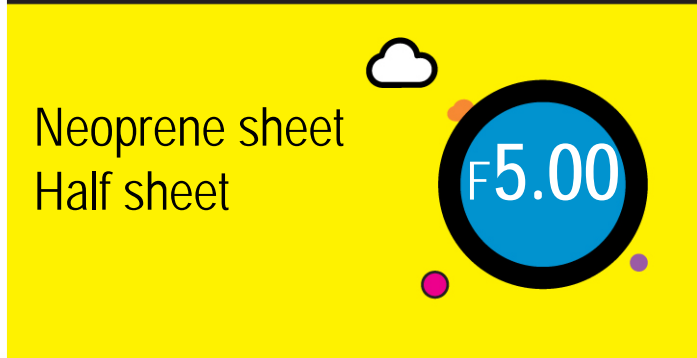
Neoprene sheet
Half sheet

F5.00



Neoprene sheet
Half sheet

F5.00



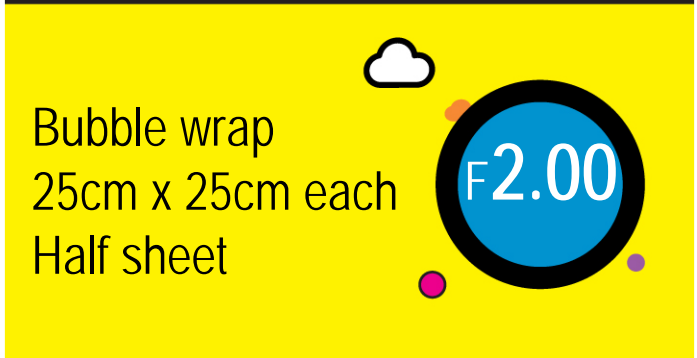
Bubble wrap
25cm x 25cm each
Half sheet

F2.00



Bubble wrap
25cm x 25cm each
Half sheet

F2.00



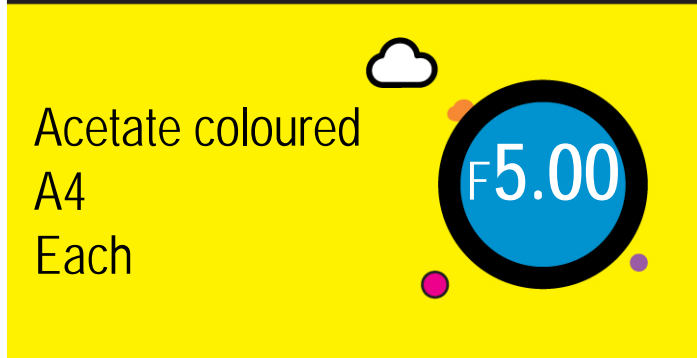
Acetate coloured
A4
Each

F2.00



Acetate coloured
A4
Each

F5.00



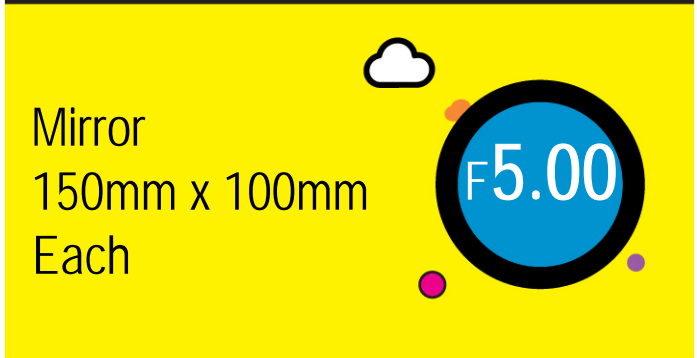
Mirror
150mm x 100mm
Each

F5.00



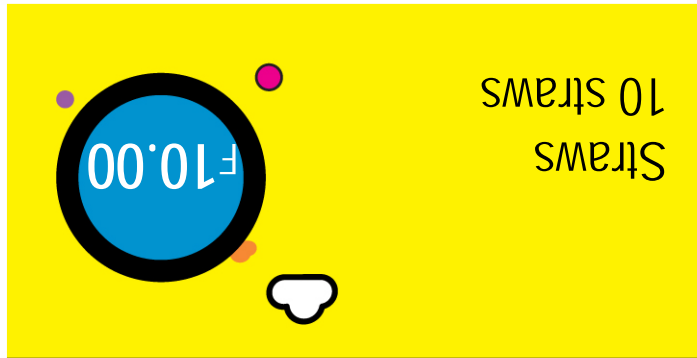
Mirror
150mm x 100mm
Each

F5.00



Straws
10 Straws

F10.00



Straws
10 straws

F10.00



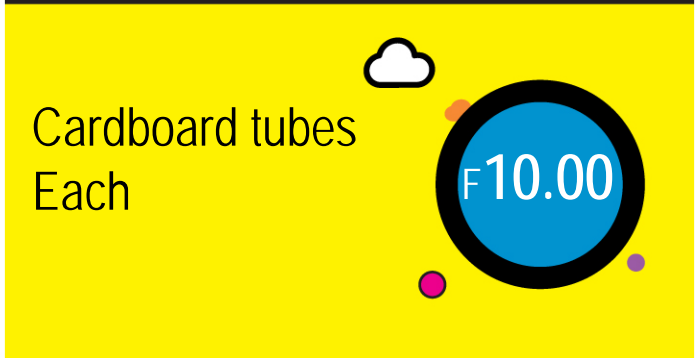
Cardboard tubes
Each

£10.00



Cardboard tubes
Each

£10.00



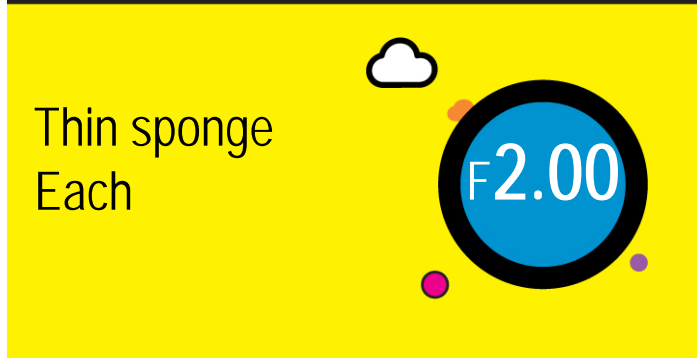
Thin sponge
Each

£2.00



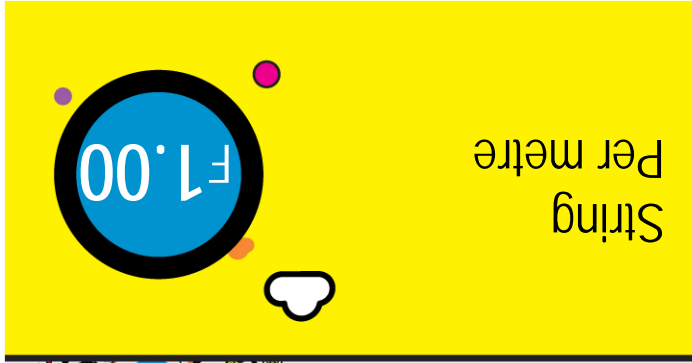
Thin sponge
Each

£2.00



String
Per metre

F1.00



String
Per metre

F1.00



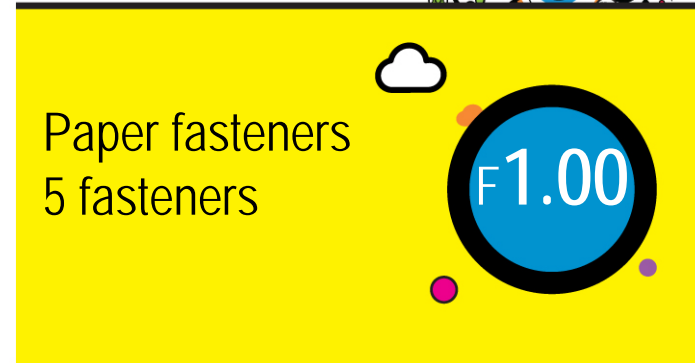
Paper fasteners
5 fasteners

F1.00



Paper fasteners
5 fasteners

F1.00



Paper clips
5 paper clips

F1.00



Paper clips
5 paper clips

F1.00

Elastic bands
10 bands

F2.00



Elastic bands
10 bands

F2.00

Steel nail
10cm
2 nails

F10.00



Steel nail
10cm
2 nails

F10.00

Binoculars
Each

F30.00



Binoculars
Each

F30.00

Stopwatch
Each

F30.00



Stopwatch
Each

F30.00

White Tak
Stick

F5.00




White Tak
Stick

F5.00

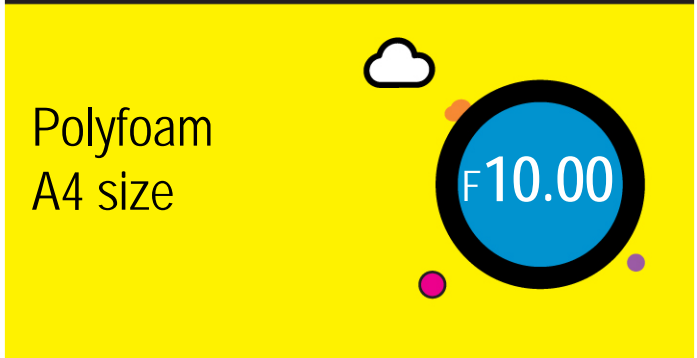
Polyfoam
A4 size

₹10.00



Polyfoam
A4 size

₹10.00



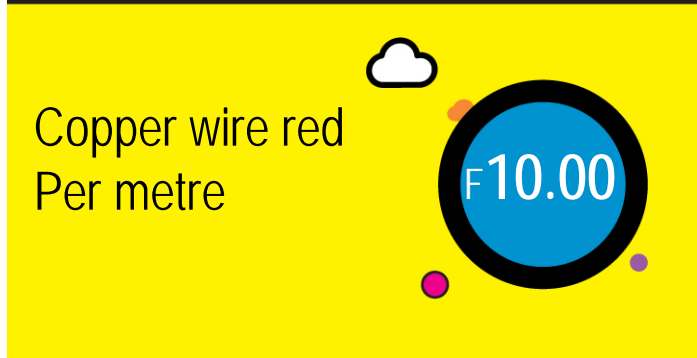
Copper wire red
Per metre

₹10.00



Copper wire red
Per metre

₹10.00



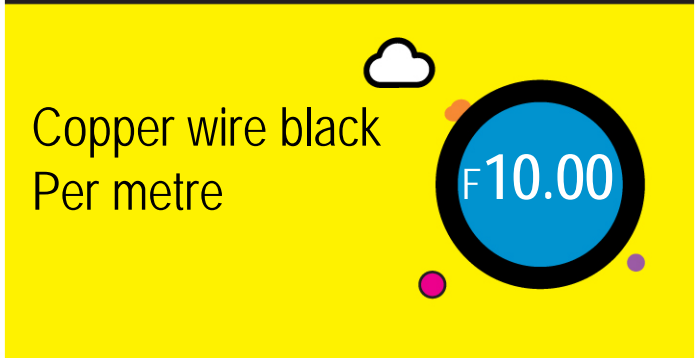
Copper wire black
Per metre

₹10.00



Copper wire black
Per metre

₹10.00



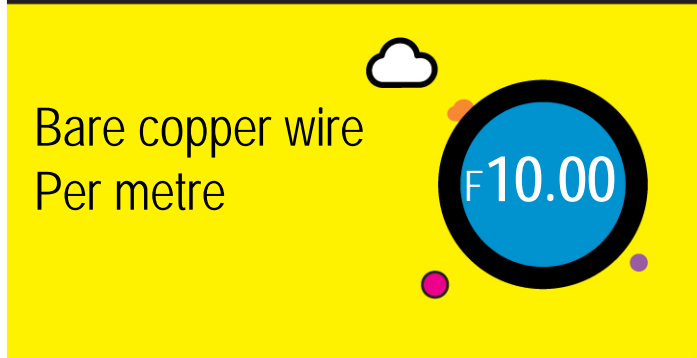
Bare copper wire
Per metre

₹10.00



Bare copper wire
Per metre

₹10.00



Croc leads black
Each

F5.00



Croc leads black
Each

F5.00

Croc leads black
Each

F5.00



Croc leads red
Each

F5.00

Croc clips
Each

F5.00



Croc clips
Each

F5.00

Terminal blocks
Each

F2.00



Terminal blocks
Each

F2.00

1.5 Volt bulbs
Each

F5.00



1.5 Volt bulbs
Each

F5.00

3.5 Volt bulbs
Each

F5.00



3.5 Volt bulbs
Each

F5.00

1.5/3.5 Volt bulb holder
Each

F10.00



1.5/3.5 Volt bulb holder
Each

F10.00

Batteries AA size
Each

F2.00



Batteries AA size
Each

F2.00

Batteries D size
Each

F5.00



Batteries D size
Each

F5.00

Battery holder D
cell
Each

F2.00



Battery holder D
cell
Each

F2.00

Battery holder 3 AA
cells
Each

F1.00



Battery holder 3 AA
cells
Each

F1.00

Watch battery
Each

F1.00



Watch battery
Each

F1.00

Buzzers 3 Volt
Each

F5.00



Buzzers 3 Volt
Each

F5.00

Switches
Each

F5.00



Switches
Each

F5.00

Magnet
Each

F5.00



Magnet
Each

F5.00

Consultancy time
5 minutes

F10.00



Consultancy time
5 minutes

F10.00

Hole punch
5 minutes

F5.00



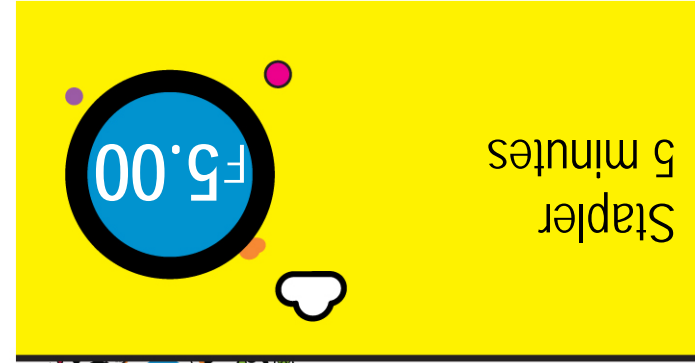
Hole punch
5 minutes

F5.00



Stapler
5 minutes

F5.00



Stapler
5 minutes

F5.00



Screwdriver small
5 minutes

F1.00



Screwdriver small
5 minutes

F1.00

Calculator
5 minutes

F10.00



Calculator
5 minutes

F10.00

Craft knife
FREE

F0.00



Craft knife
FREE

F0.00

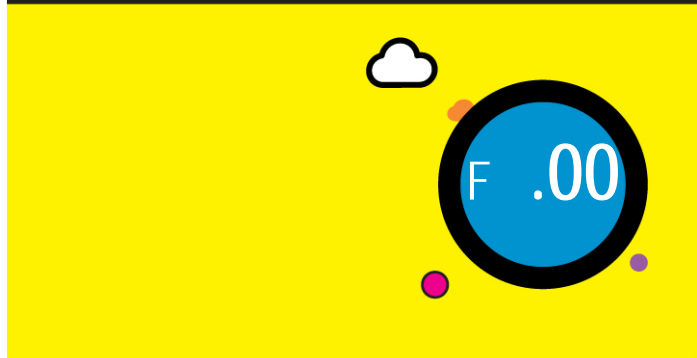
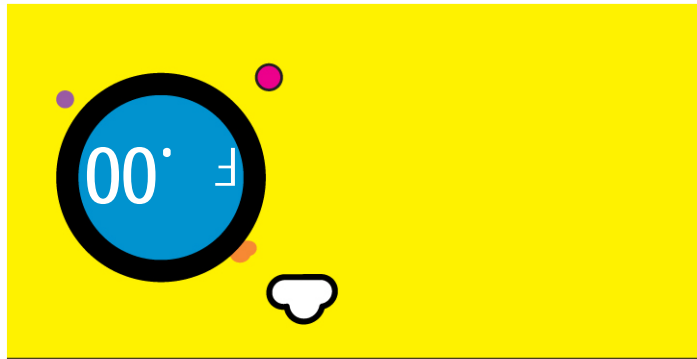
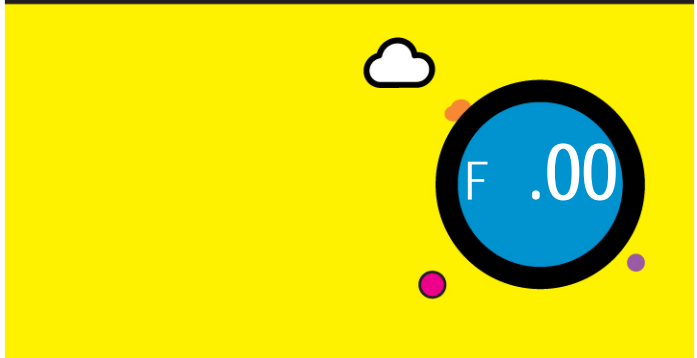
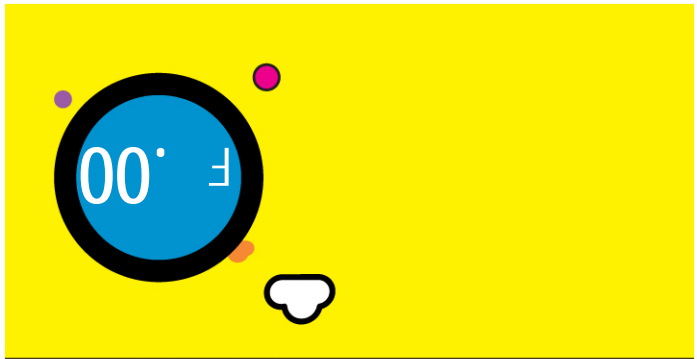
Glue gun
FREE

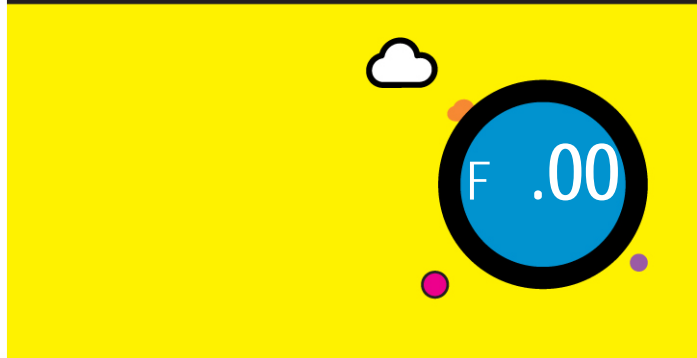
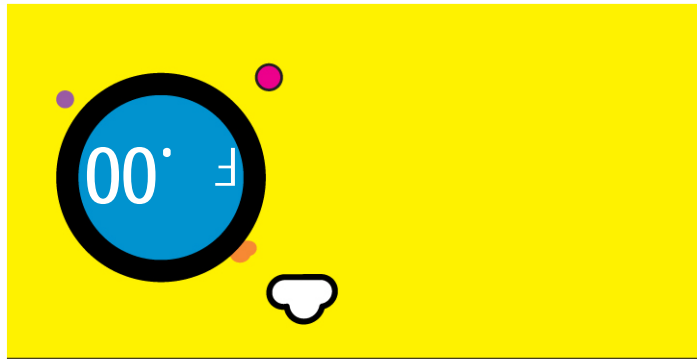
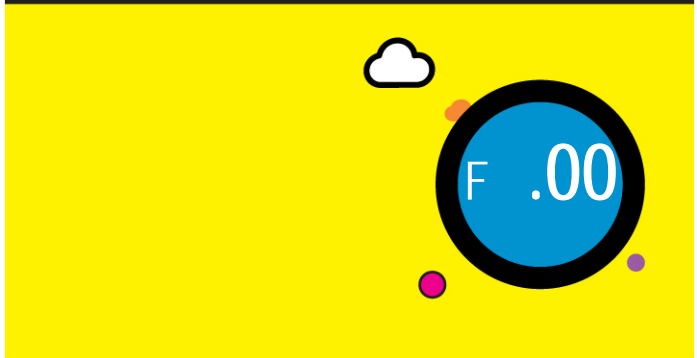
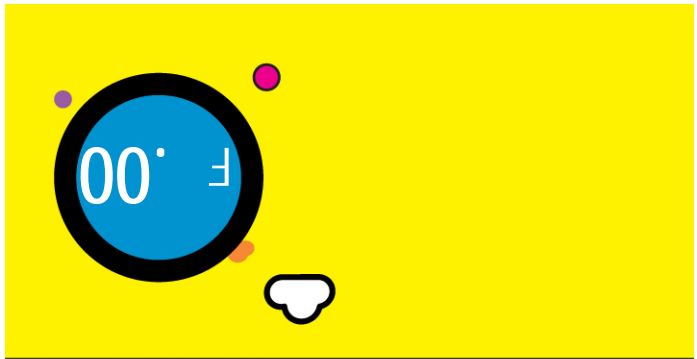
F0.00

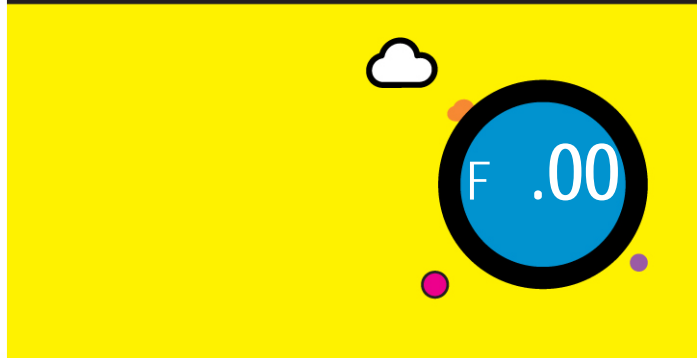
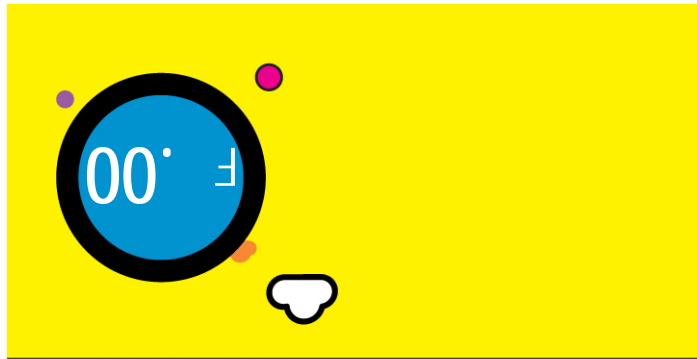
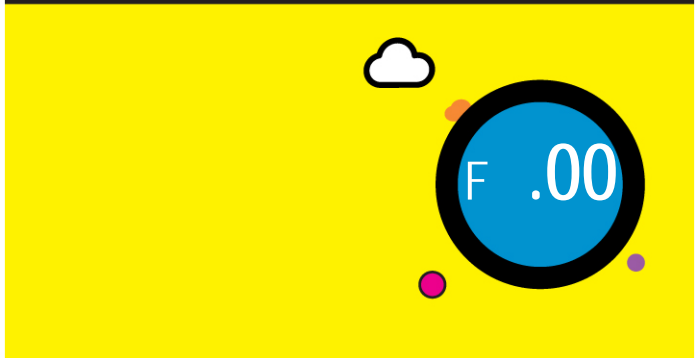
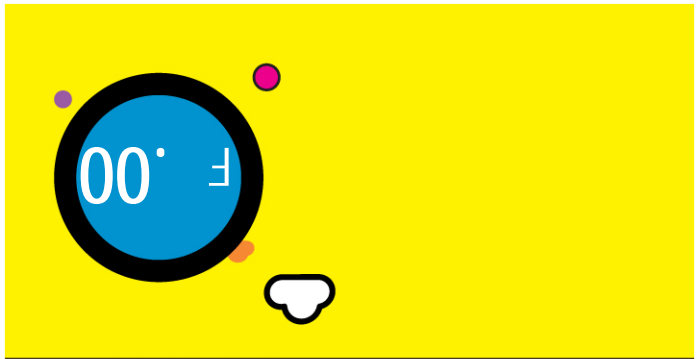


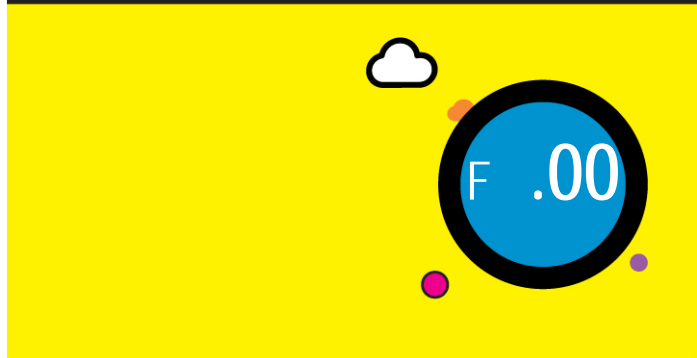
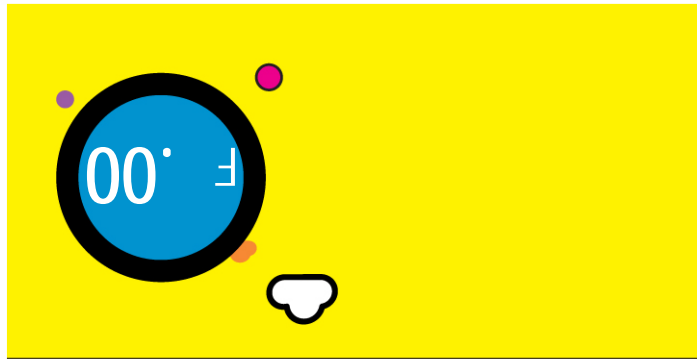
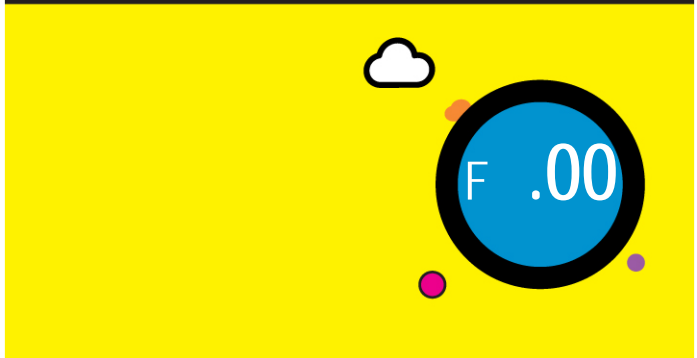
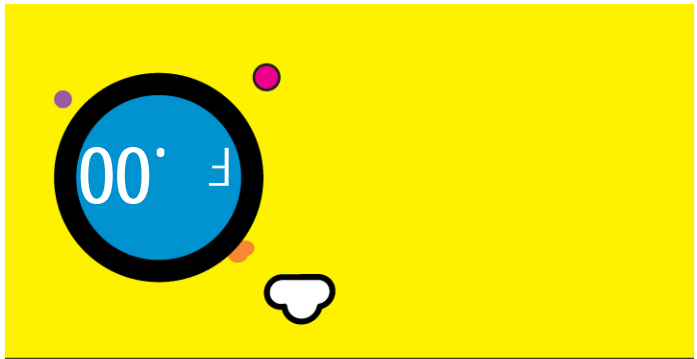
Glue gun
FREE

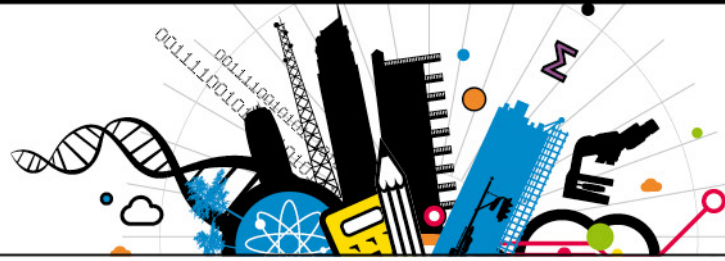
F0.00











The IET

Faraday Challenge Day

**Shop manager
balance sheet**



Purchasing notes for the Shop Manager (Technician)

- This sheet will be used to cross-check student team's accounting sheets for scoring
- Use this sheet to record every transaction with students – item and cost
- Students may sell back unwanted items at half price
- Students may buy lower measurements of materials at a reduced price – i.e. metre of red copper wire = 10 Faradays per metre as a standard cost. Students may buy half a metre for 5 Faradays
- Students must not use craft knife themselves. Cutting into desired size by the Shop Manager (Technician) is included in the price.
- Gluing using low melt guns and cutting is free of charge and students may operate these under supervision of the Shop Manager (Technician)



The IET

Faraday Challenge Day

Signage



Town Alpha



Town Beta



Cutting Station



For Hire



Gluing Station



Inspiration Station



Judges Table



Recycled Materials

F5.00



Test Area



The Shop