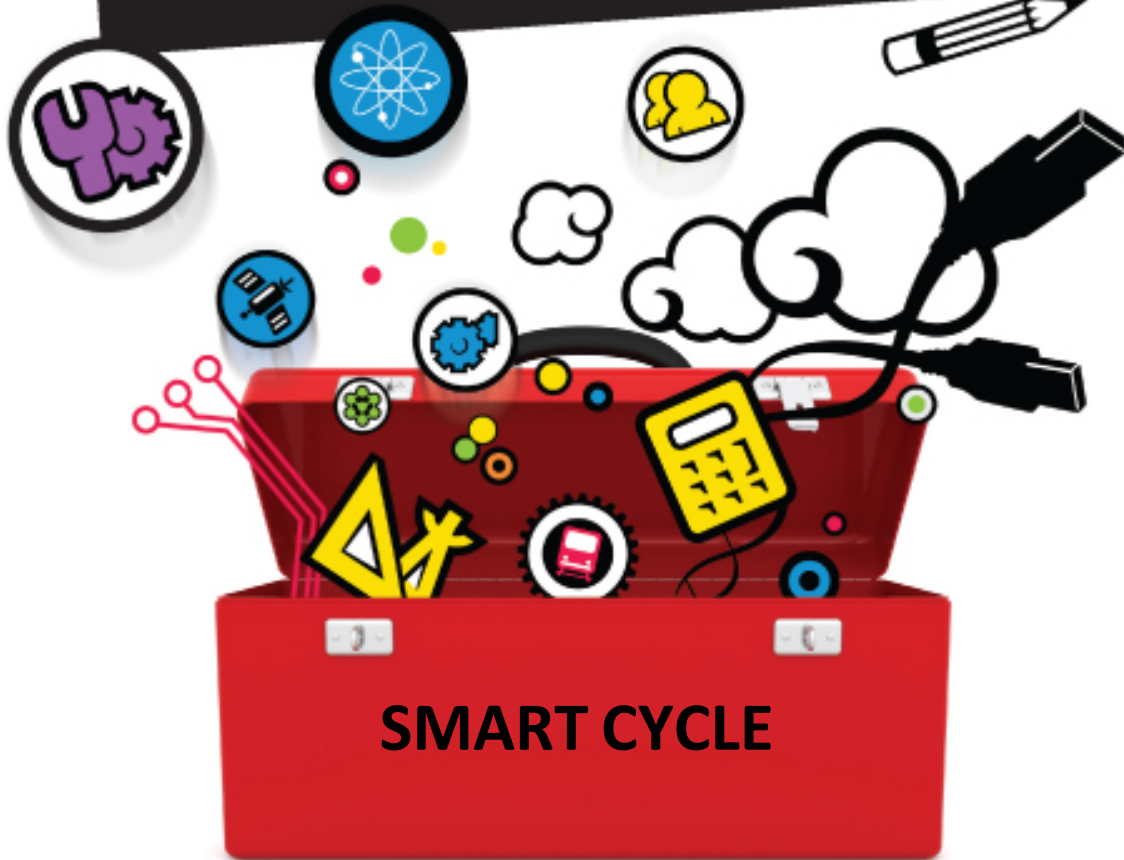




DIY Faraday Challenge Day



SMART CYCLE

Certificate



DIY Faraday Challenge Day

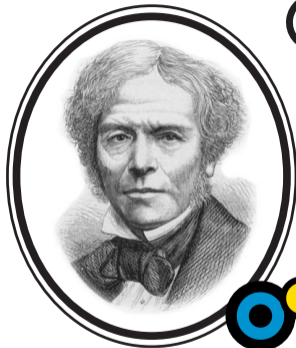


SMART CYCLE

Currency

Faraday

Faraday Reserve Note **ONE FARADAY**

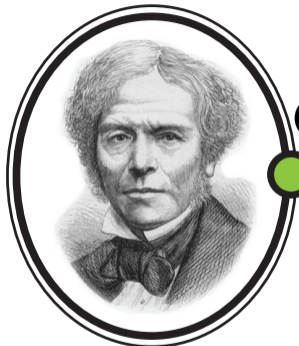


Michael Faraday



Faraday

Faraday Reserve Note **FIVE FARADAYS**

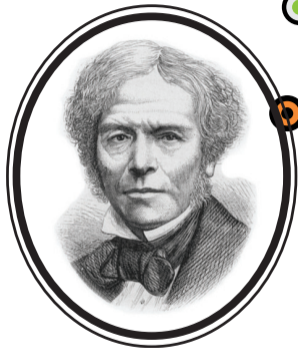


Michael Faraday

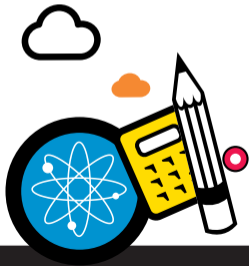


Faraday

Faraday Reserve Note **TEN FARADAYS**

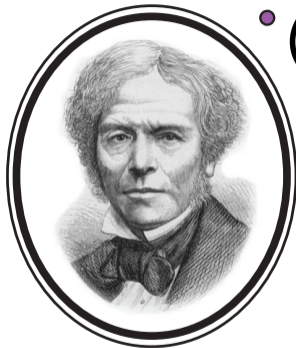


Michael Faraday

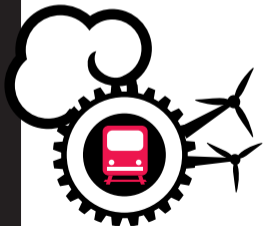


Faraday

Faraday Reserve Note **TWENTY FARADAYS**



Michael Faraday





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Student name badges

Faraday Challenge Day



Project Manager





Faraday Challenge Day

Accountant





Faraday Challenge Day


Electronic Engineer





Faraday Challenge Day

3D Print Engineer





Faraday Challenge Day

3D Design Engineer





Faraday Challenge Day

STEM Consultant





DIY Faraday Challenge Day



SMART CYCLE

Price tags

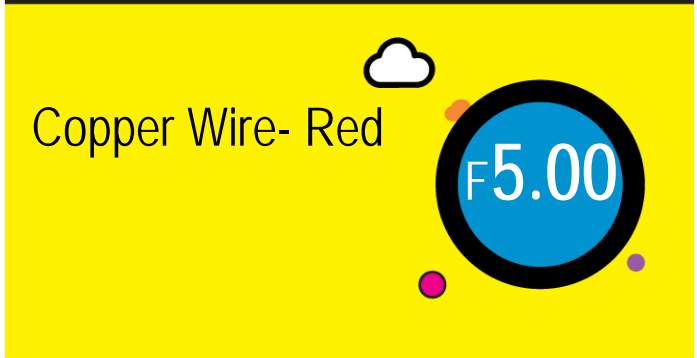
Copper Wire- Red

F5.00



Copper Wire- Red

F5.00



Copper Wire - Black

F5.00



Copper Wire - Black

F5.00

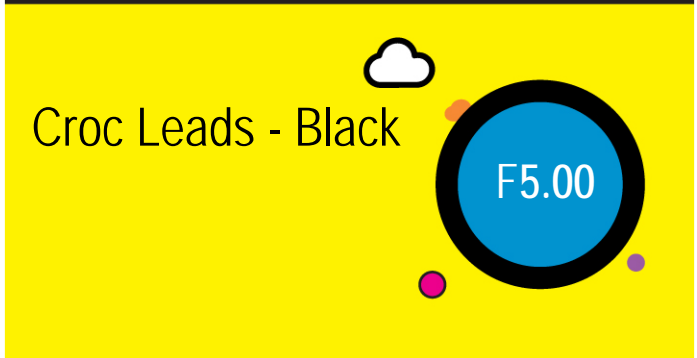


F5.00
Croc Leads-Black



Croc Leads - Black

F5.00

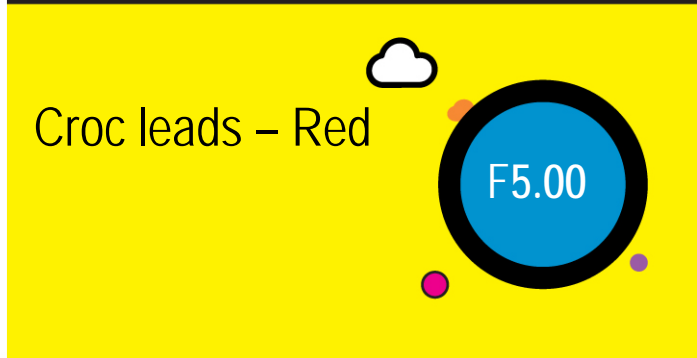


F5.00
Croc Leads - Red



Croc leads - Red

F5.00



Croc Leads - Red

F5.00



Croc Leads - Red

F5.00

LED bulb - single colour

F5.00



LED bulb – single colour

F5.00



LED bulb - flashing

F10.00

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LED bulb - flashing

F10.00



Terminal Blocks

F2.00

Faraday Challenge Day




Faraday Challenge Day






Terminal Blocks

F2.00






Temperature
Sensor

F5.00




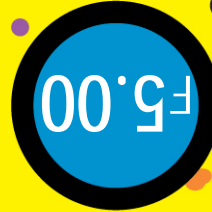
Temperature
Sensor

F5.00






Light Dependent
Resistor

F5.00



Light Dependent
Resistor

F5.00



Buzzers 3 Volt

F5.00



Buzzers 3 Volt

F5.00

Batteries AA Size

F2.00



Batteries AA size

F2.00

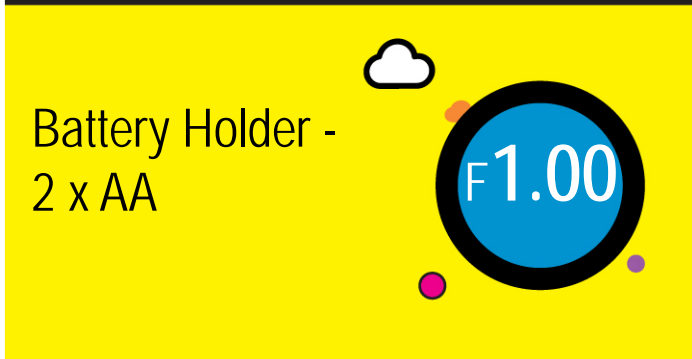
Battery Holder -
2 x AA

F1.00



Battery Holder -
2 x AA

F1.00



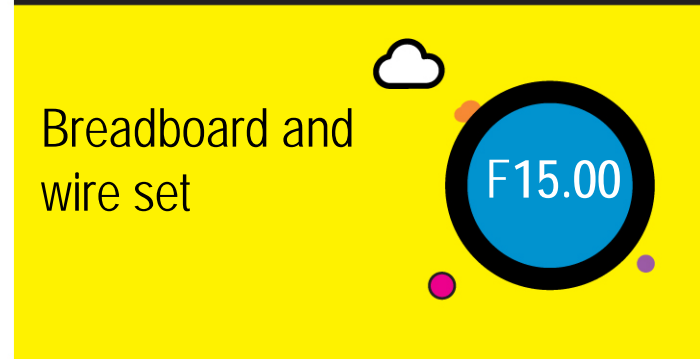
Breadboard and
wire set

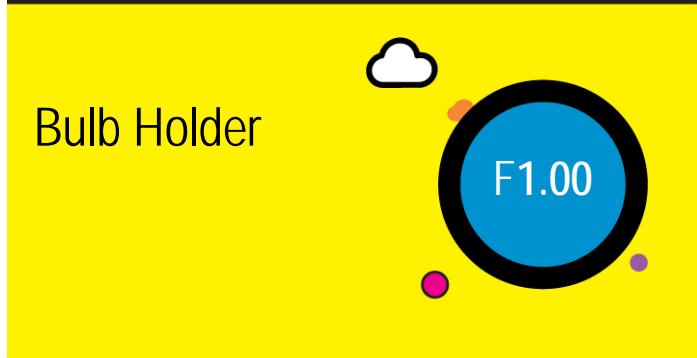
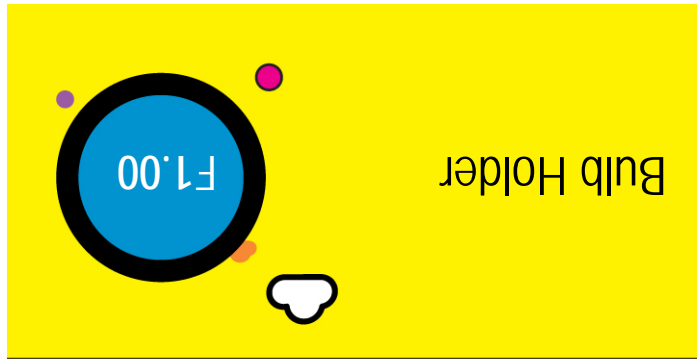
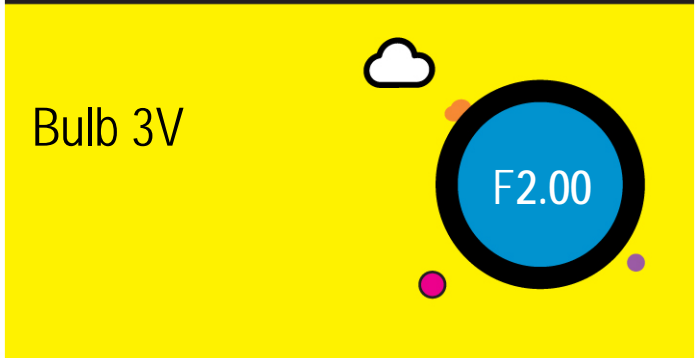
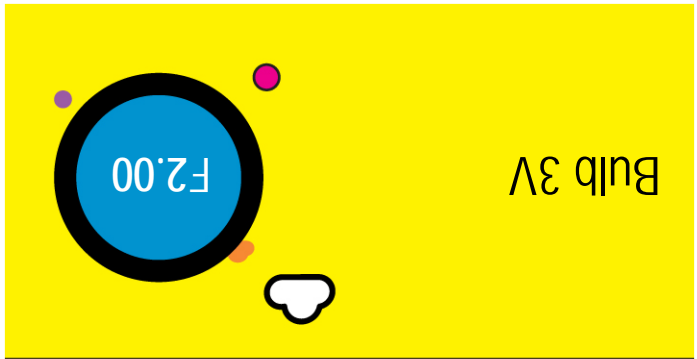
F15.00



Breadboard and
wire set

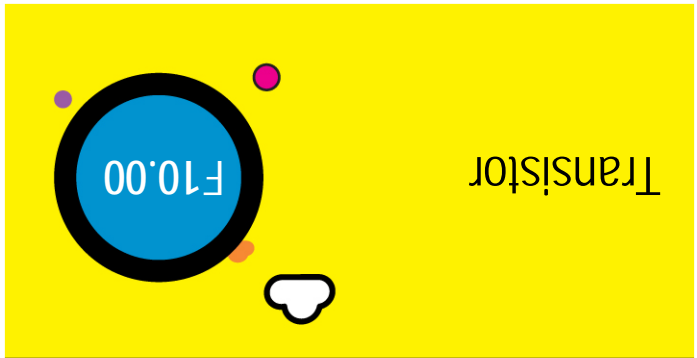
F15.00





Transistor

F10.00



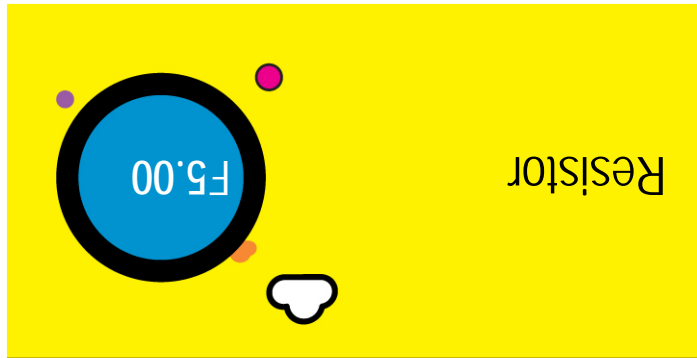
Transistor

F10.00



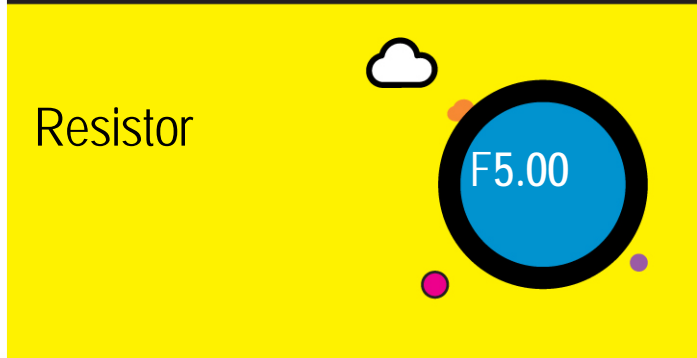
Resistor

F5.00



Resistor

F5.00



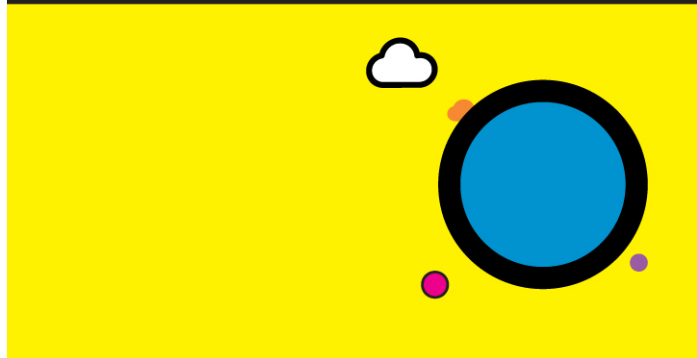
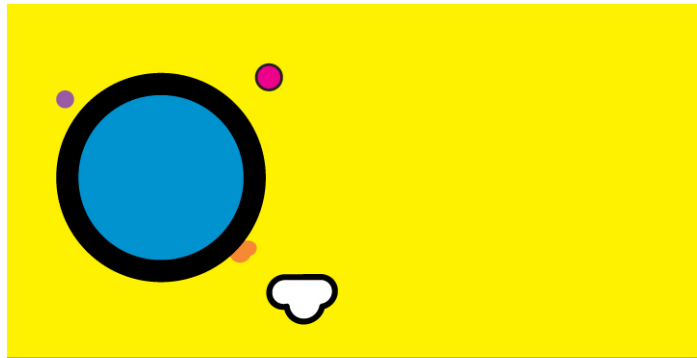
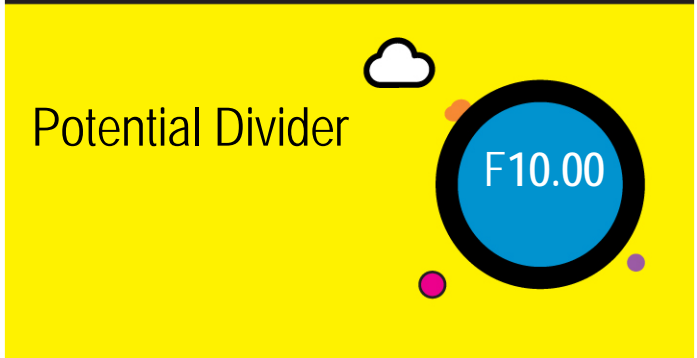
Potential Divider

F10.00



Potential Divider

F10.00



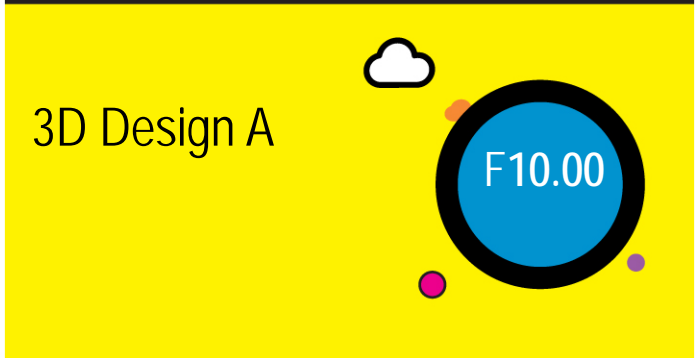
3D Design A

F10.00



3D Design A

F10.00



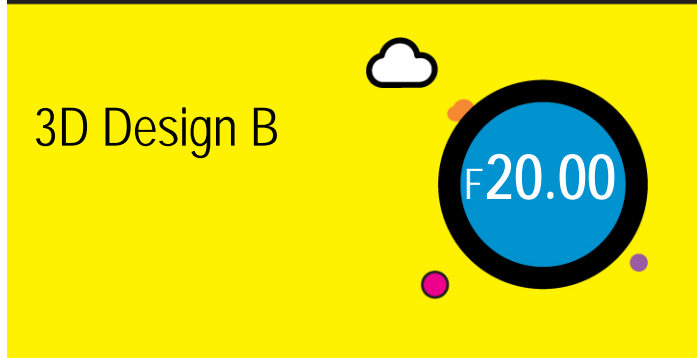
3D Design B

F20.00



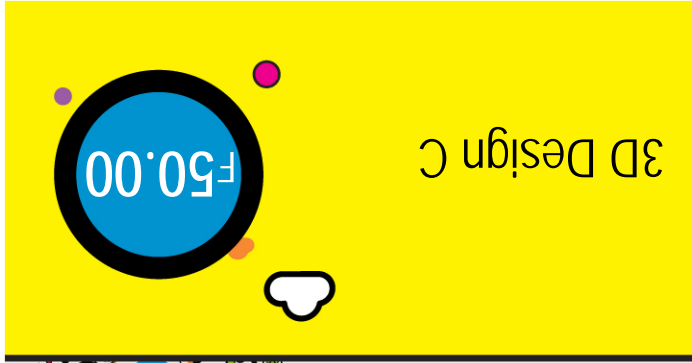
3D Design B

F20.00



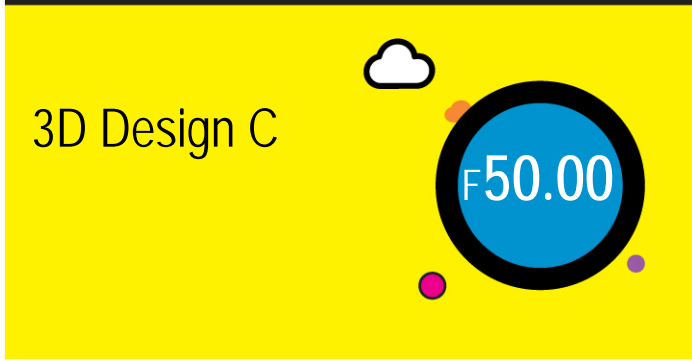
3D Design C

₹50.00



3D Design C

₹50.00



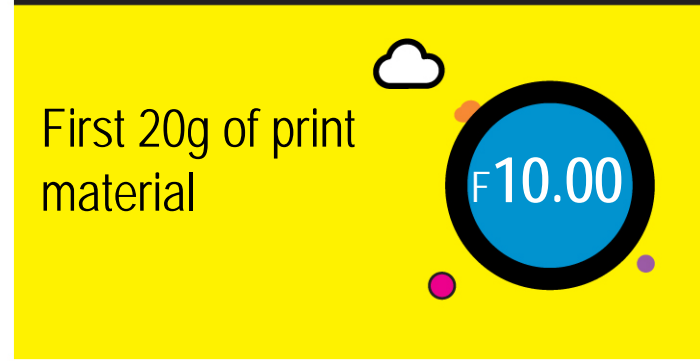
First 20g of print material

₹10.00



First 20g of print material

₹10.00



Print time (per 30 minutes)
£10.00



Faraday Challenge Day

Print time (per 30 minutes)
£10.00

STEM Consultant
£10.00



Faraday Challenge Day

STEM Consultant
£10.00



DIY Faraday Challenge Day



Shop manager balance sheet



IET Faraday Challenge Day

Shop Manager Balance Sheet School Date

Faradays spent at each visit to the shop	Team 1	Team 2	Team 3	Team 4	Team 5	Team 6
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
TOTAL FARADAYS SPENT						



Purchasing notes for the Shop Manager

- 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.



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Signage



Inspiration Station



Printing Station



The Shop



Judges Table