

## DIY-Faraday Challenge Day



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Presented to

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Signed by

Date

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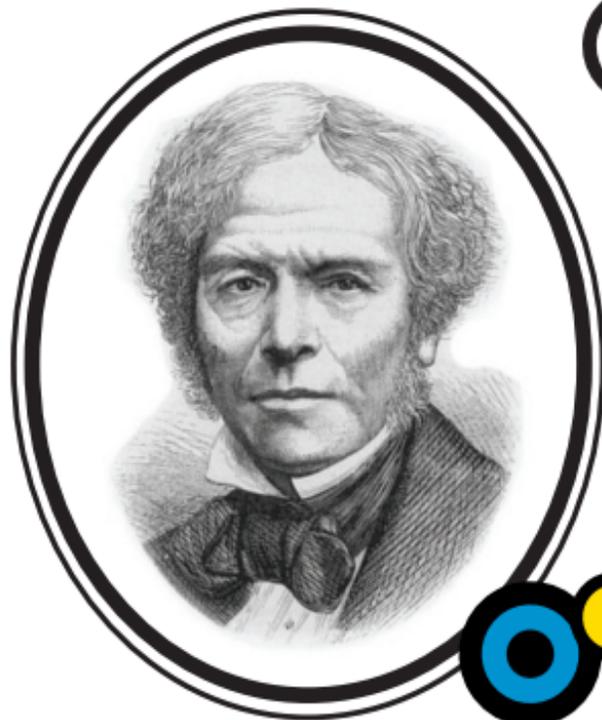


Go online to find out more!

[www.ietfaraday.org](http://www.ietfaraday.org)

# Faraday

## Faraday Reserve Note **ONE FARADAY**

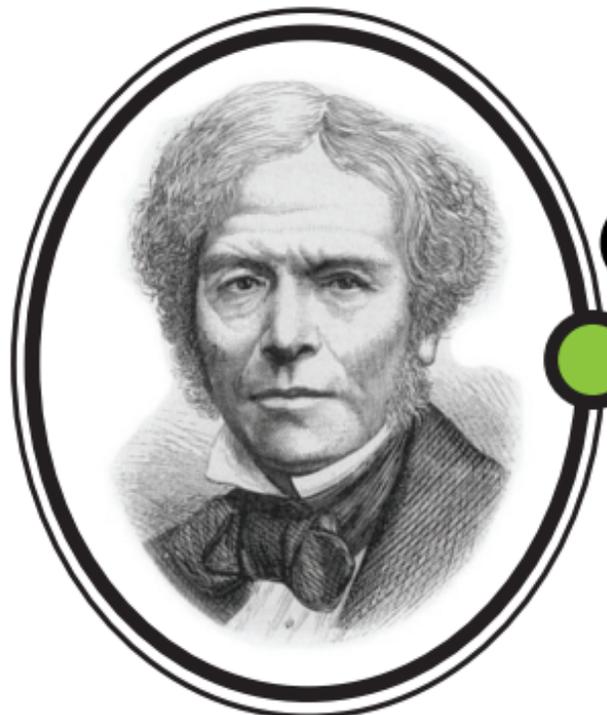


Michael Faraday



# Faraday

## Faraday Reserve Note **FIVE FARADAYS**

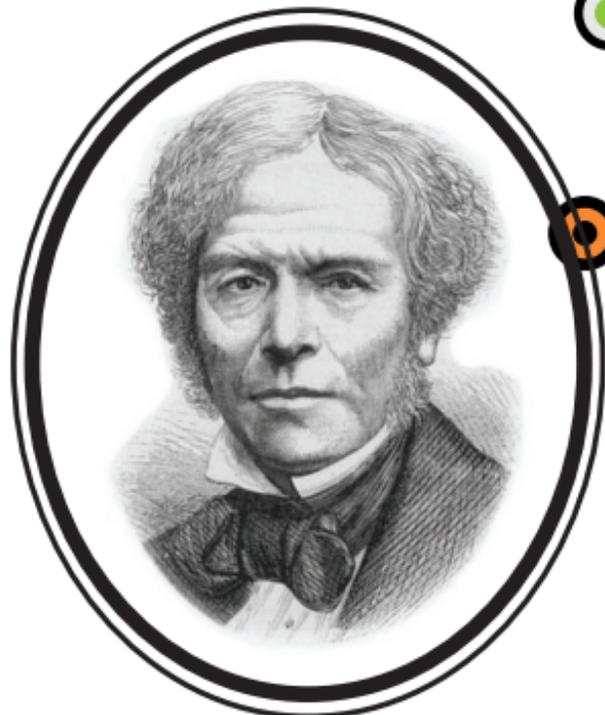


Michael Faraday

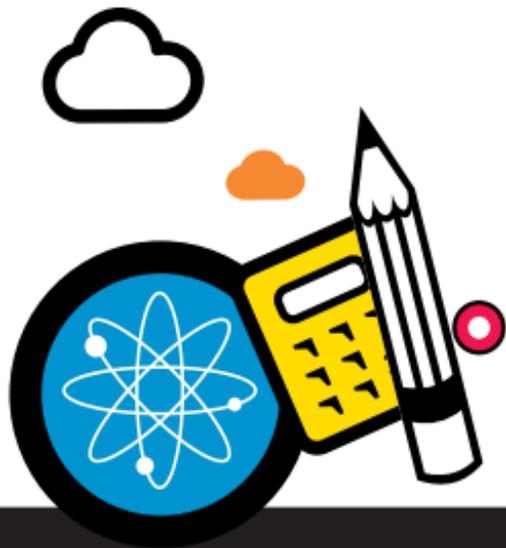


# Faraday

## Faraday Reserve Note **TEN FARADAYS**

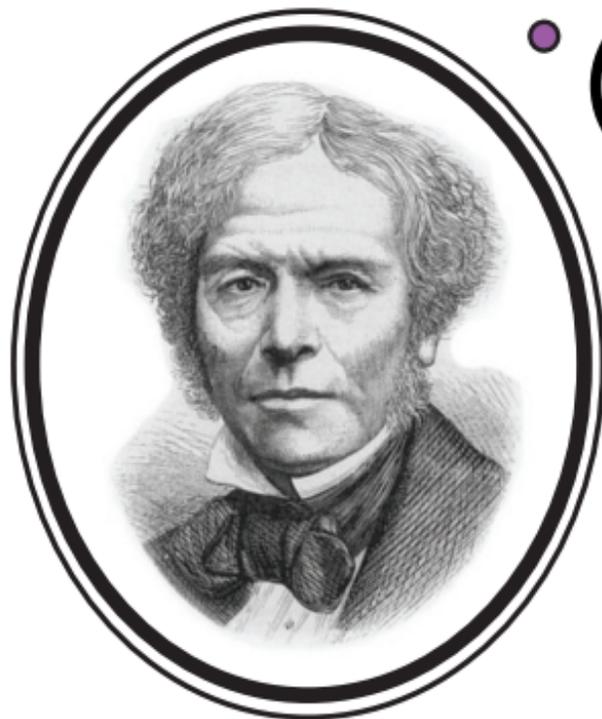


Michael Faraday

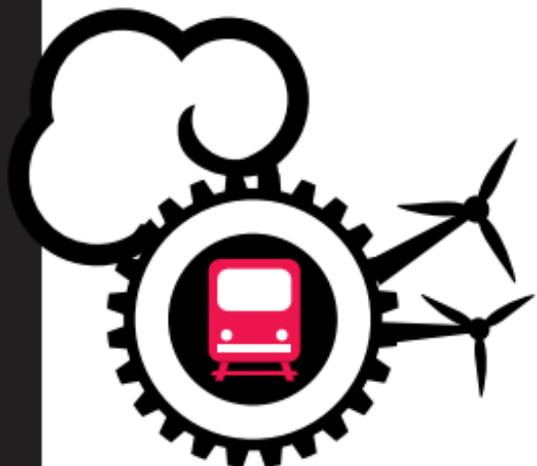


# Faraday

## Faraday Reserve Note **TWENTY FARADAYS**



Michael Faraday





# Faraday Challenge Day

Name

Role





**Faraday Challenge Day**

# STEM Consultant



Crocodile leads

F5.00



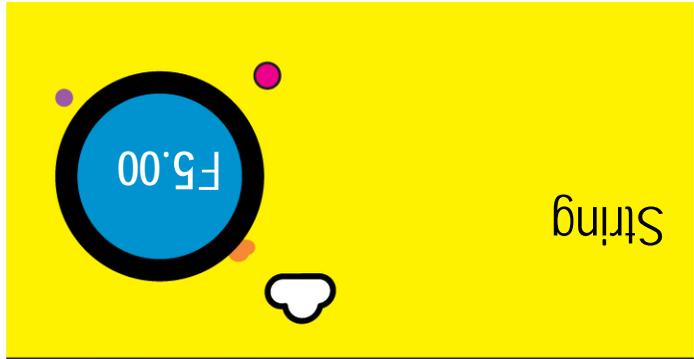
Crocodile leads

F5.00



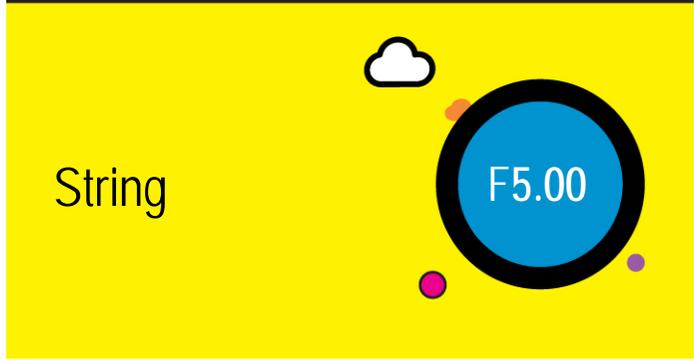
String

F5.00



String

F5.00



Corrugated plastic

F10.00



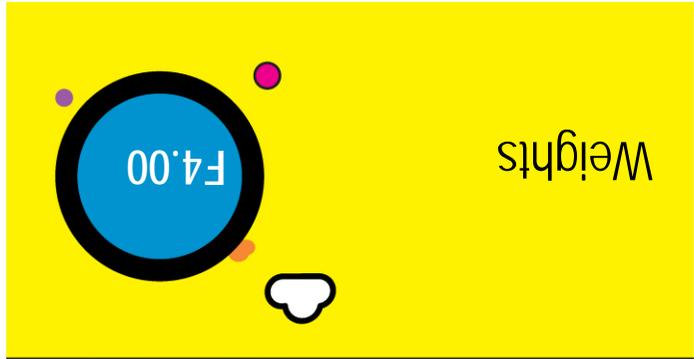
Corrugated plastic

F10.00



Weights

F4.00



Weights

F4.00



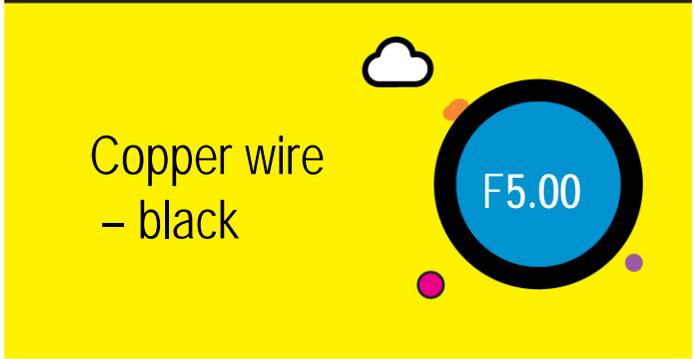
Copper wire  
- black

F5.00



Copper wire  
- black

F5.00



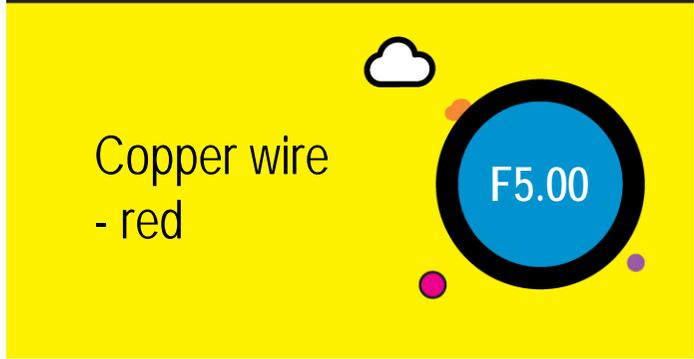
Copper wire  
- red

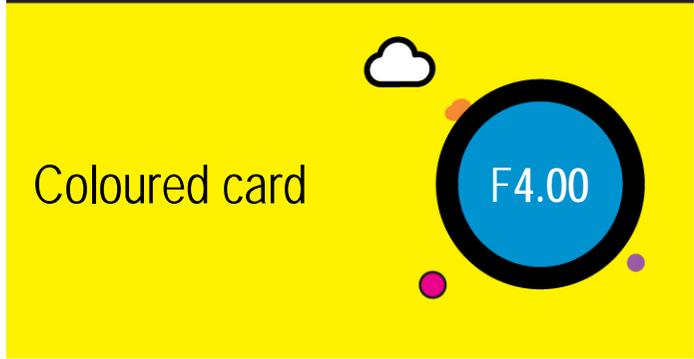
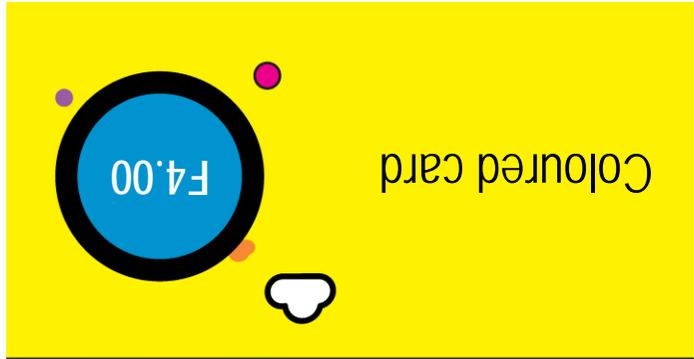
F5.00



Copper wire  
- red

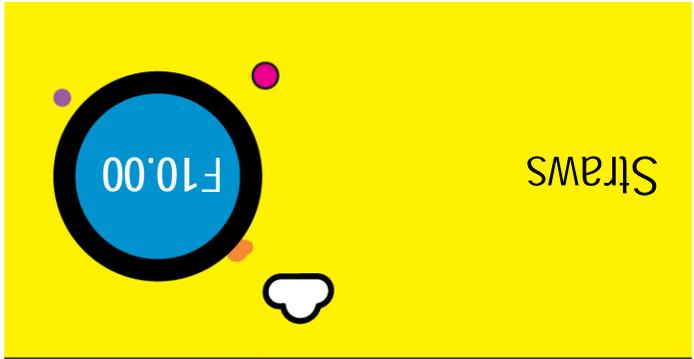
F5.00





Straws

F10.00



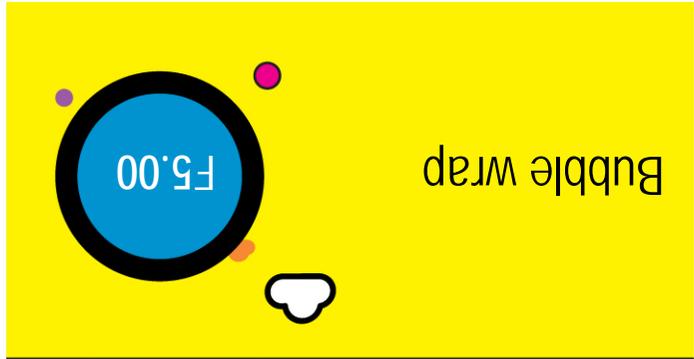
Straws

F10.00



Bubble wrap

F5.00



Bubble wrap

F5.00





Sticky tape

F8.00

A yellow rectangular label with a blue circle containing the price 'F8.00'. The text 'Sticky tape' is positioned to the right of the circle. A white cloud icon is located below the circle. Three small colored dots (purple, pink, orange) are scattered around the circle.



Sticky tape

F8.00

A yellow rectangular label with a blue circle containing the price 'F8.00'. The text 'Sticky tape' is positioned to the left of the circle. A white cloud icon is located above the circle. Three small colored dots (purple, pink, orange) are scattered around the circle.

Paper fasteners

F1.00

A yellow rectangular label with a blue circle containing the price 'F1.00'. The text 'Paper fasteners' is positioned to the right of the circle. A white cloud icon is located below the circle. Three small colored dots (purple, pink, orange) are scattered around the circle.



Paper fasteners

F1.00

A yellow rectangular label with a blue circle containing the price 'F1.00'. The text 'Paper fasteners' is positioned to the left of the circle. A white cloud icon is located above the circle. Three small colored dots (purple, pink, orange) are scattered around the circle.

FOR HIRE  
Hole punch

F5.00



FOR HIRE  
Hole punch

F5.00



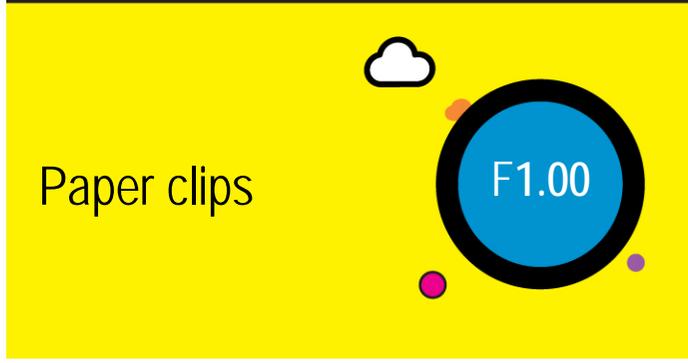
Paper clips

F1.00



Paper clips

F1.00



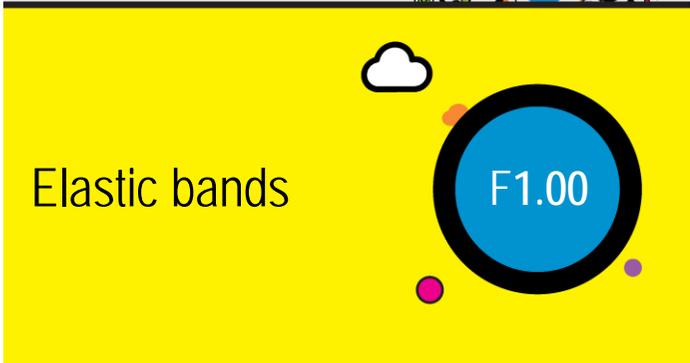
Elastic bands

F1.00



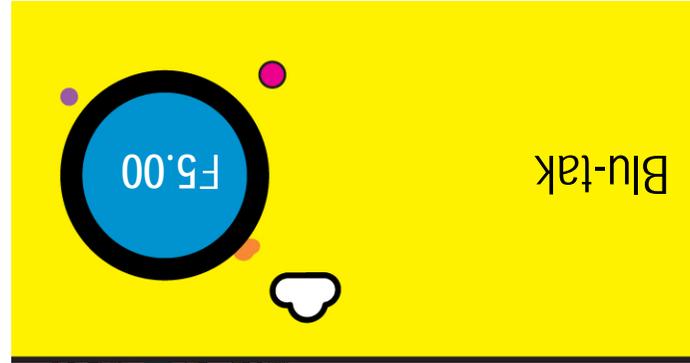
Elastic bands

F1.00



Blu-tak

F5.00



Blu-tak

F5.00



Wooden dowel

F8.00



Wooden dowel

F8.00

Pulley wheel

F6.00



Pulley wheel

F6.00

Plastic cotton reel

F8.00



Plastic cotton reel

F8.00



Crocodile clips

F2.00



Crocodile clips

F2.00



Terminal blocks

F2.00



Terminal blocks

F2.00

Motor

F4.00



Motor

F4.00

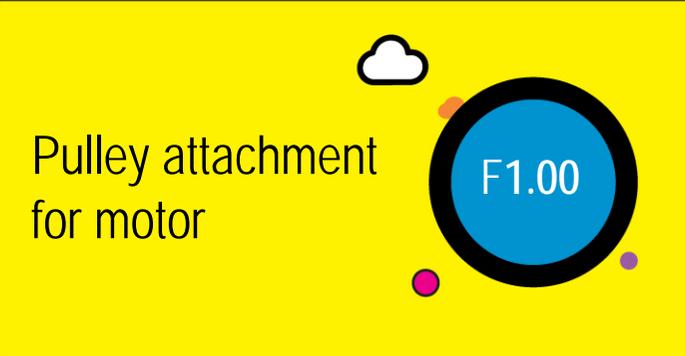
Pulley attachment  
for motor

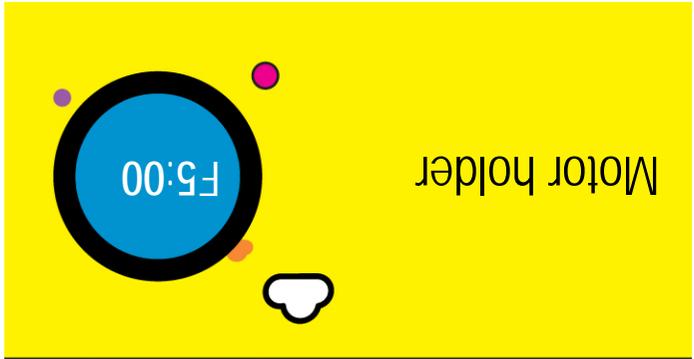
F1.00

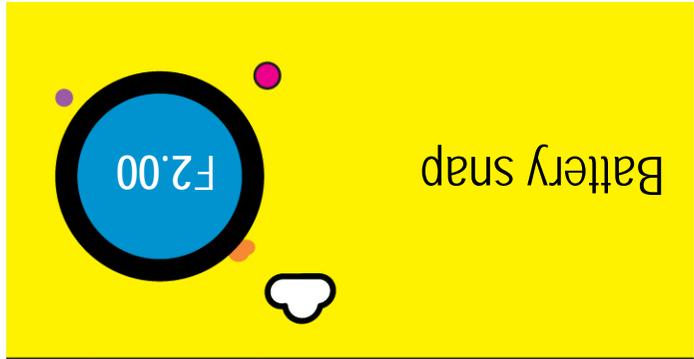


Pulley attachment  
for motor

F1.00







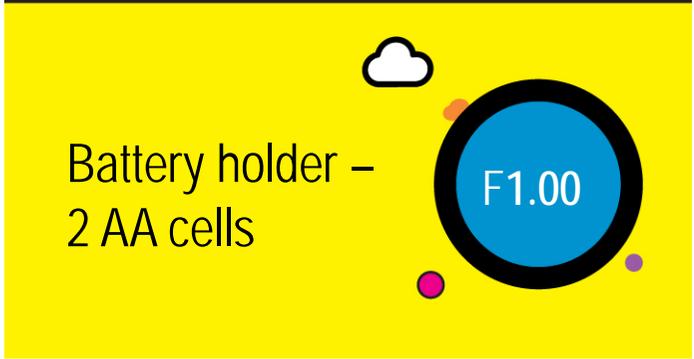
Battery holder –  
2 AA cells

F1:00



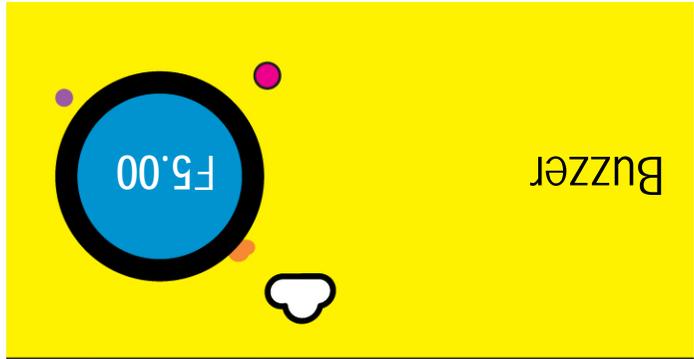
Battery holder –  
2 AA cells

F1.00



Buzzer

F5.00



Buzzer

F5.00



Switch

F6:00



Switch

F6.00

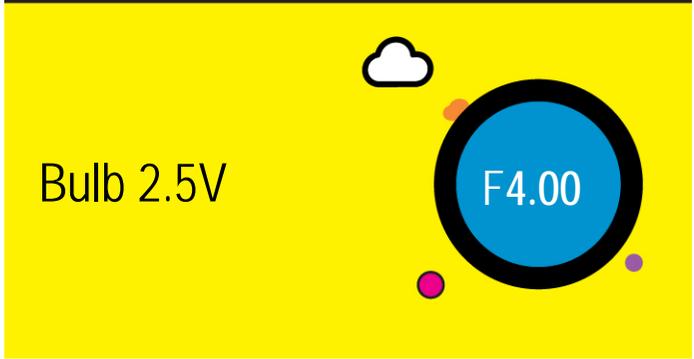
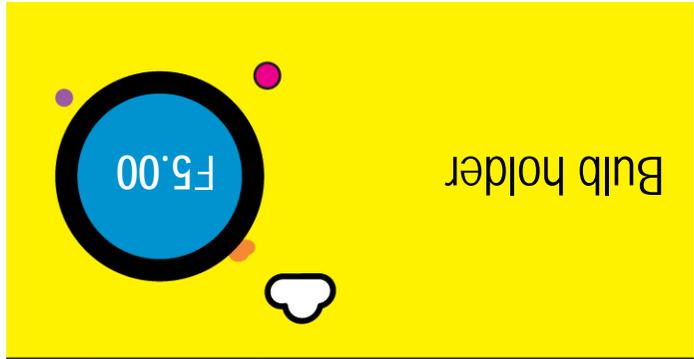
Bulb 2.5V flashing

F6.00



Bulb 2.5V flashing

F6.00



**FOR HIRE**  
Consultancy time

F10.00



**FOR HIRE**  
Consultancy time

F10.00



**FOR HIRE**  
Stapler

F6.00



**FOR HIRE**  
Stapler

F6.00





Other resources –  
for reasonable use



Other resources –  
for reasonable use





**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	Team 7 (Teachers)
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
<b>TOTAL FARADAYS SPENT</b>							





# Student Team Registration Form

**Team**.....

**Faraday Challenge Date:**.....

**Your School Name:**.....

**Your Teacher's Name:**.....

**Team Member Names (please print clearly):**

	<b>First name</b>	<b>Surname</b>
<b>1</b>		
<b>2</b>		
<b>3</b>		
<b>4</b>		
<b>5</b>		
<b>6</b>		



## Assessment matrix

### Assessment Matrix

Host name: .....

Date: .....

Assessment Criteria		Team 1	Team 2	Team 3	Team 4	Team 5	Team 6	Team 7
Planning	15							
Development	25							
Accounting	10							
Quality and performance - aeroplane	15							
Quality and performance - transporter	25							
Teamwork	10							
<b>Total score</b>	<b>100</b>							
<b>Faradays spent</b>								

Team	School/Team name
1	
2	
3	
4	
5	
6	
7	