



DIY Faraday Challenge Day

Presented to

Signed by

Date

theiet.org/faraday



Account sheet

Team.....

You will need to keep an accurate record of all the purchases your team makes.

Materials/resources purchased	Quantity	Cost		Faradays remaining
		Spent	Received	
Total Faradays remaining:				

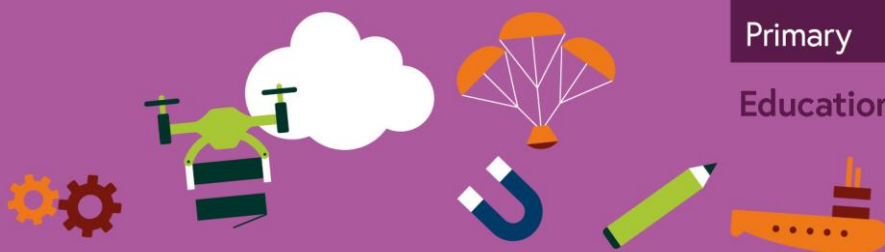


Assessment matrix

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							
Total score	100							
Faradays spent								

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





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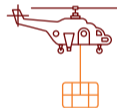
Faraday Challenge Days

F1

Faraday Reserve Note



One Faraday



Michael Faraday



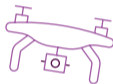
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F5

Faraday Reserve Note

Five Faradays



Michael Faraday



Faraday Reserve Note

Ten Faradays



Michael Faraday





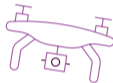
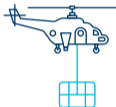
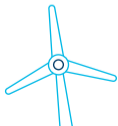
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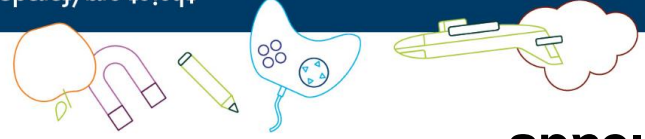
F20

Faraday Reserve Note

Twenty Faradays



Michael Faraday



F5.00

**Crocodile
leads**

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**Crocodile
leads**

F5.00



F5.00

String

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String

F5.00



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F2.00

Lollipop sticks



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Lollipop sticks

F2.00



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F1.00

A4 plain paper



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A4 plain paper

F1.00



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F10.00

Corrugated plastic

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IEET The Institution of Engineering and Technology
 Faraday Challenge Days

Corrugated plastic

F10.00



F10.00

Tissue paper

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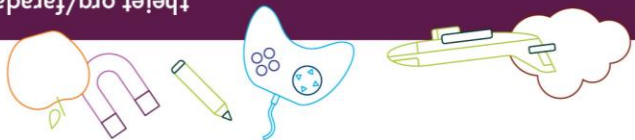
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Tissue paper

F10.00



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F5.00

Copper wire - black



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Copper wire - black

F5.00



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F5.00

Copper wire - red



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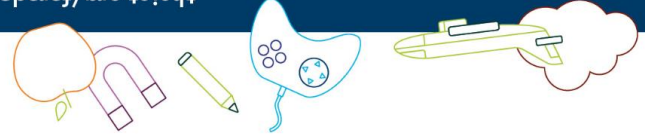
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Copper wire - red

F5.00



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F8.00

Polyfoam



Faraday Challenge Days

Polyfoam

F8.00



F4.00

Coloured card



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Coloured card

F4.00



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F10.00

Straws



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Straws

F10.00



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F5.00

Bubble wrap



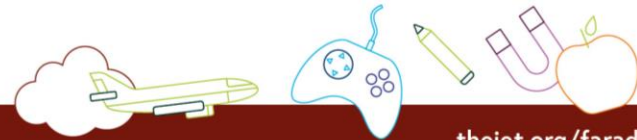
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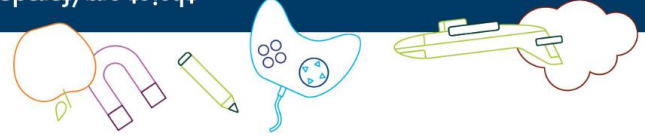
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Bubble wrap

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F5.00

Recycled items

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Recycled items

F5.00



F5.00

Masking tape

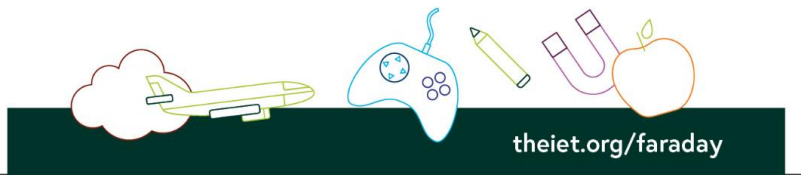
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Masking tape

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Sticky tape



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Sticky tape

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F1.00

Paper fasteners



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Paper fasteners

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F5.00



FOR HIRE
Hole punch

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FOR HIRE
Hole punch

F5.00

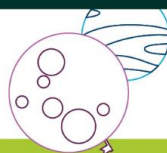


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F1.00



Paper clips

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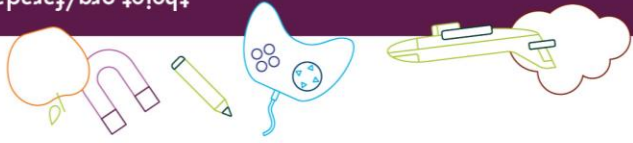
Paper clips

F1.00



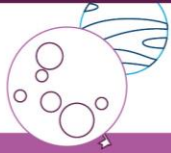
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F1.00

Elastic bands



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Elastic bands

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F5.00

Blu-tak



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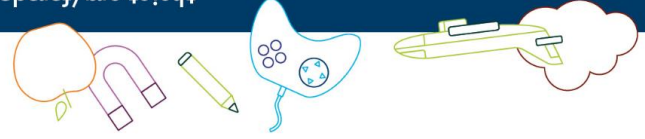
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Blu-tak

F5.00



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F8.00

Wooden dowel

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Wooden dowel

F8.00



F6.00

Pulley wheel

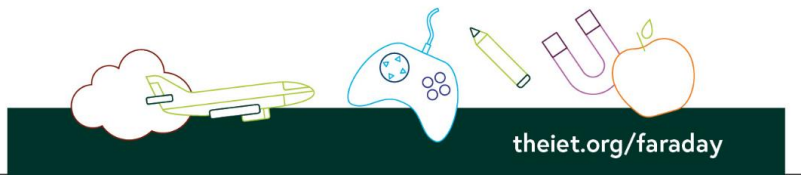
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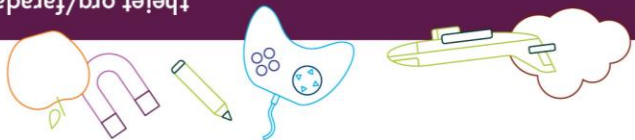


Pulley wheel

F6.00



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F10.00

Cog - large



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Cog - large

F10.00



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F6.00

Cog - medium



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Cog - medium

F6.00



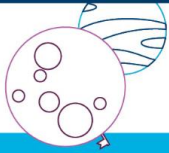
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F3.00

Cog - small



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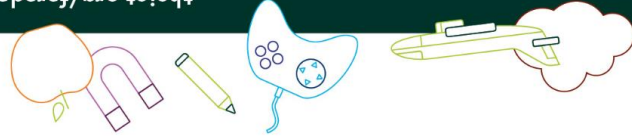
Cog - small

F3.00



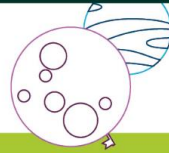
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F10.00

Wooden wheel x 2



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Wooden wheel x 2

F10.00



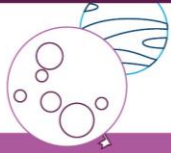
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F8.00

Plastic cotton reel



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Plastic cotton reel

F8.00



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F2.00

Crocodile clips



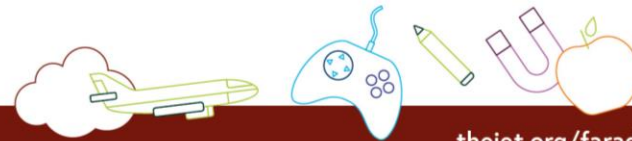
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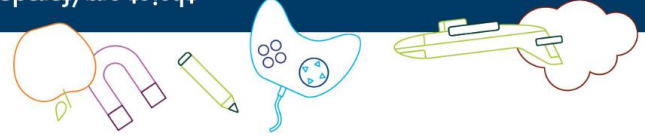
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Crocodile clips

F2.00



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F2.00

Terminal blocks

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Terminal blocks

F2.00

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F4.00

Motor

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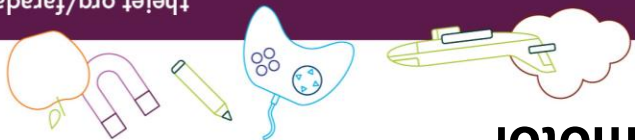
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Motor

F4.00

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motor

F1.00

**Gear
attachment for**



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**Gear
attachment for
motor**

F1.00



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motor

F1.00

**Pulley
attachment for**



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**Pulley
attachment for
motor**

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F5.00

Motor holder

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Motor holder

F5.00



F2.00

Battery AA size

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Battery AA size

F2.00





F5.00

Battery 9V



Battery 9V

F5.00



F2.00

Battery snap



Battery snap

F2.00

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F1.00

**Battery holder
– 2 AA cells**



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**Battery holder
– 2 AA cells**

F1.00



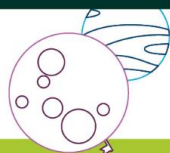
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F5.00

Buzzer



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Buzzer

F5.00



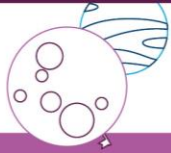
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F6.00

Switch



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F6.00

Switch



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F6.00

**Bulb 2.5V
flashing**



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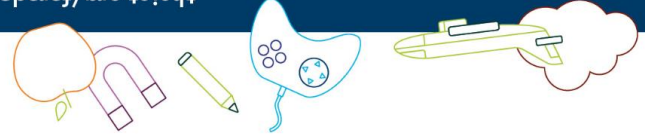


F6.00

**Bulb 2.5V
flashing**



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F4.00

Bulb 2.5V

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Bulb 2.5V

F4.00



F5.00

Bulb holder

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Bulb holder

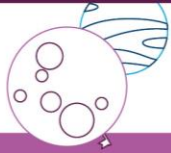
F5.00



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F10.00



FOR HIRE
Consultancy
time

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FOR HIRE
Consultancy
time

F10.00



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F6.00



FOR HIRE
Stapler

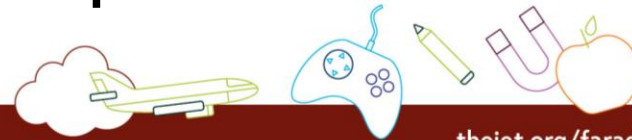
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FOR HIRE
Stapler

F6.00



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Other resources – for reasonable use

FREE



Faraday Challenge Days

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Faraday Challenge Days

Other resources – for reasonable use



FREE



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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							
TOTAL FARADAYS SPENT							





Faraday Challenge Days

STEM Consultant





Faraday Challenge Days

Name

Role



Student Team Registration Form

Team.....

Faraday Challenge Date:.....

Your School Name:.....

Your Teacher's Name:.....

Team Member Names (please print clearly):

	First name	Surname
1		
2		
3		
4		
5		
6		

