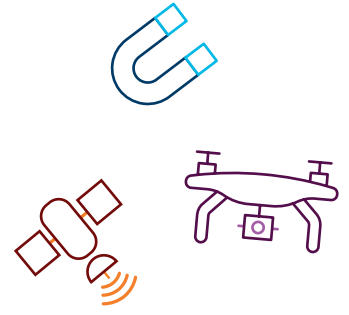


The IET

DIY Faraday Challenge Day

Mission to Mars Teacher Extras





DIY Faraday Challenge Day





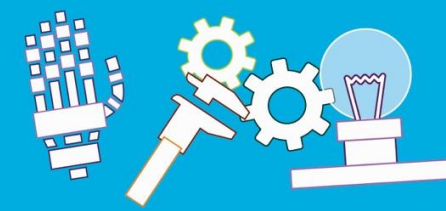
Presented to



Signed by

Date

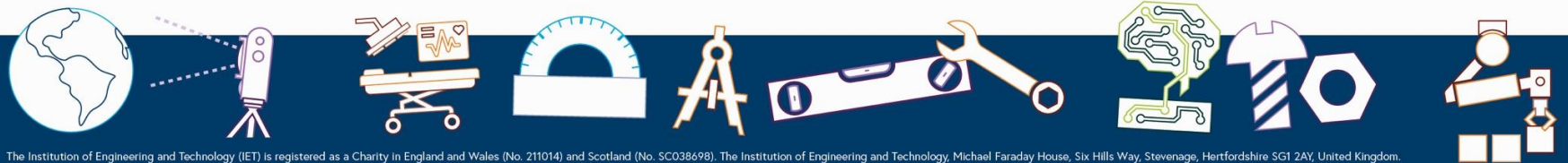


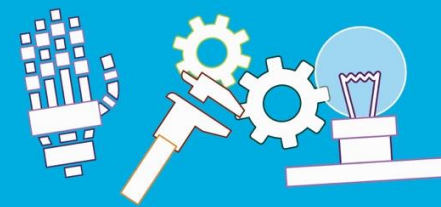


Faraday Challenge Day

Shop Manager Balance Sheet Host School **Date**

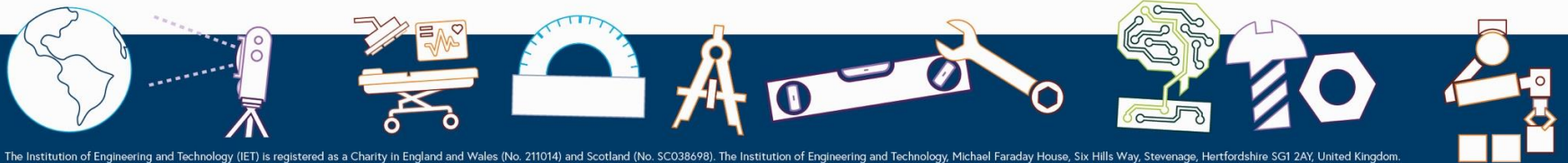
Faradays spent at each visit to the shop	Team 1	Team 2	Team 3	Team 4	Team 5	Team 6	Team 7
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
TOTAL FARADAYS SPENT							





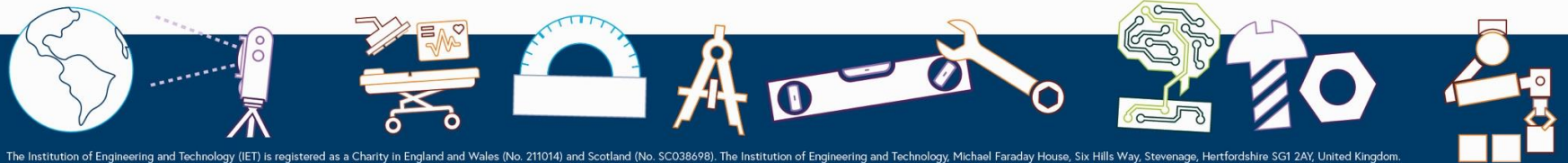
Purchasing notes for the Shop Manager (Technician)

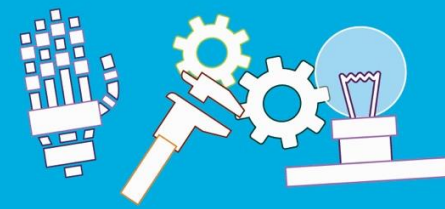
- This sheet will be used to cross-check the accounting sheets from the student teams for scoring
- Use this sheet to record every transaction with students – item and cost
- Students may sell back unwanted items at half price
- Students may buy lower measurements of materials at a reduced price – i.e. 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)



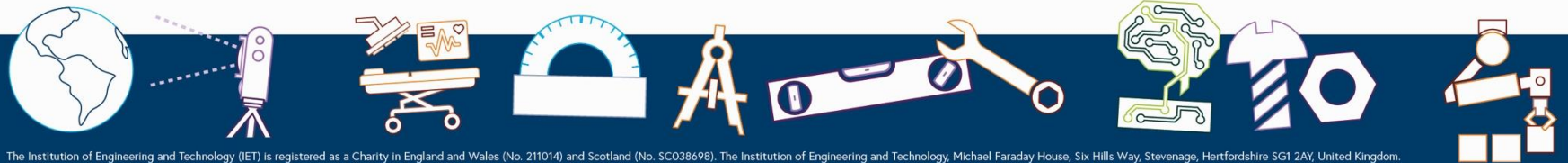


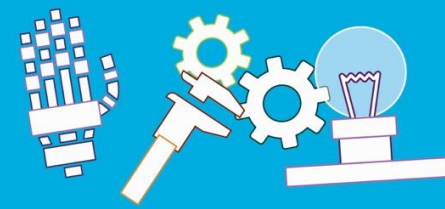
For Hire





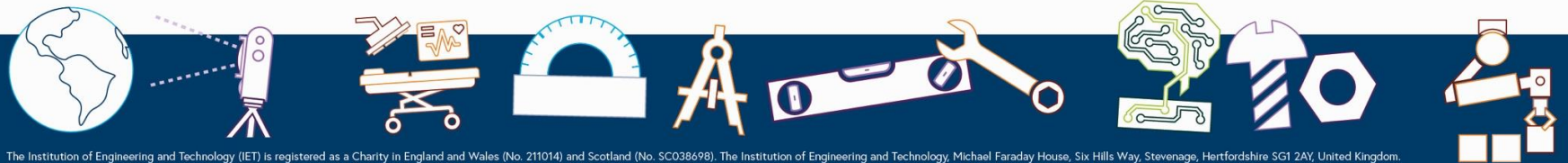
Rocket Facility

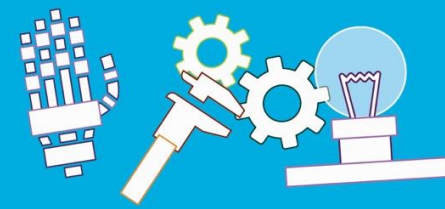




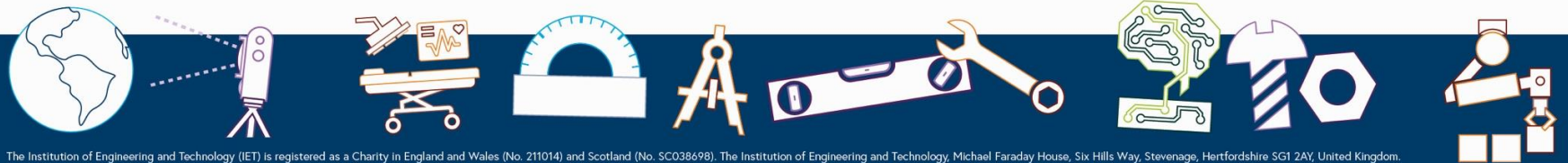
Recycled Materials

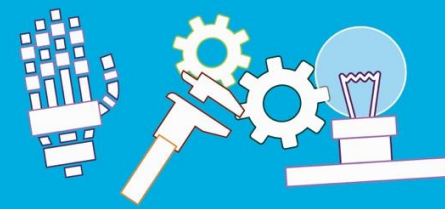
F5.00



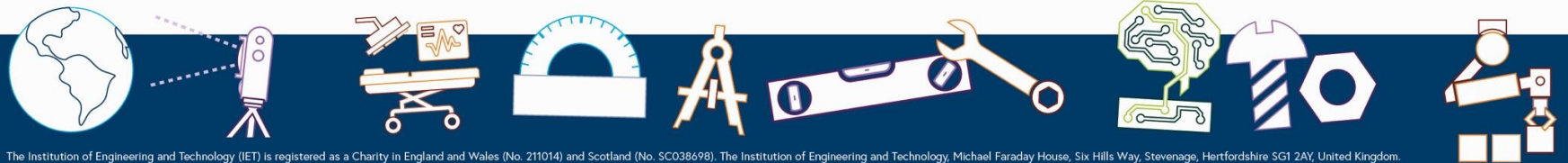


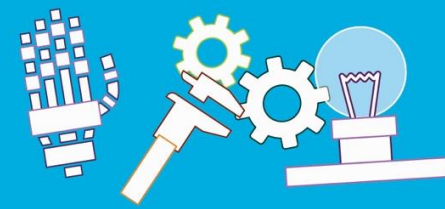
Inspiration Station



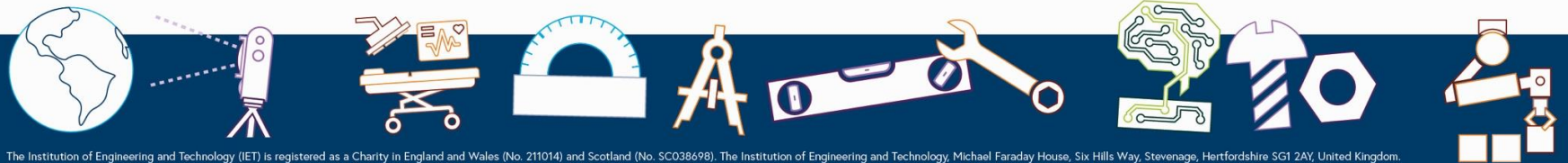


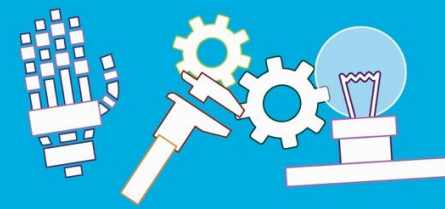
Cutting Station



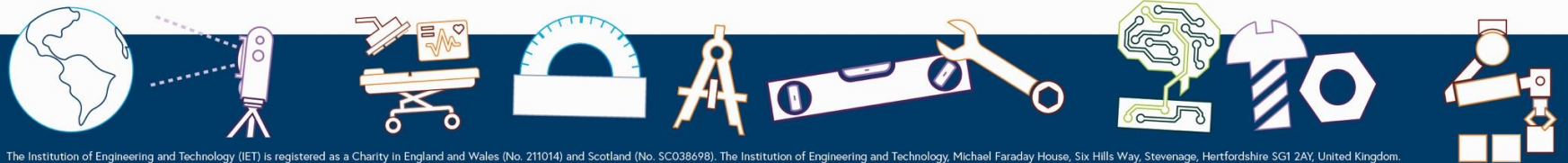


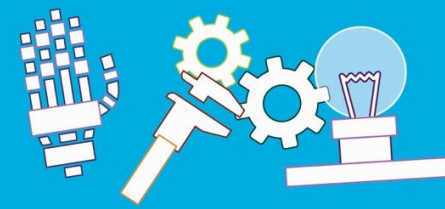
Test Area



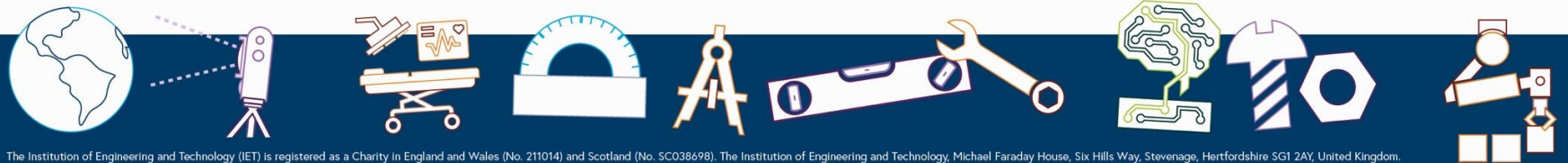


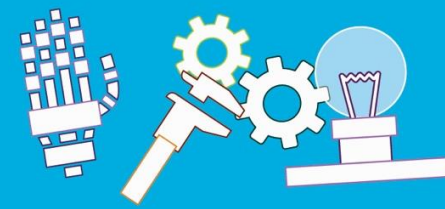
Judge's Table



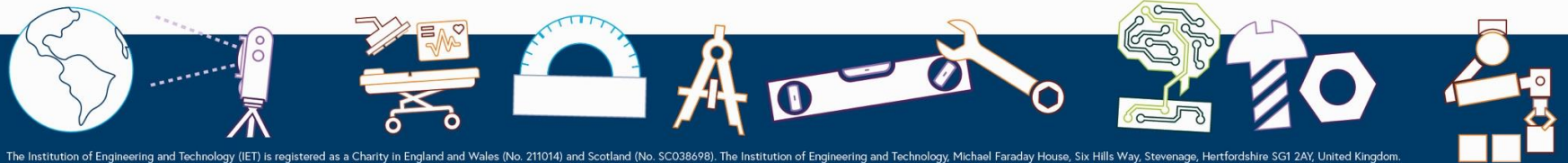


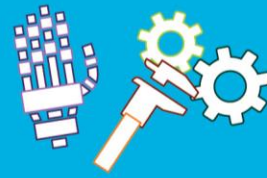
The Shop





Gluing station





TEAM

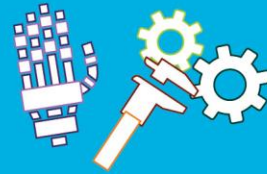
1

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TEAM

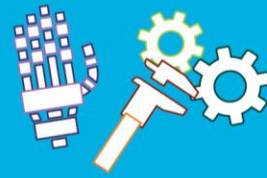
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TEAM

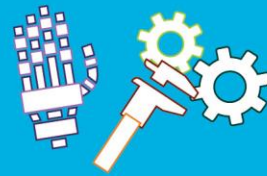
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TEAM

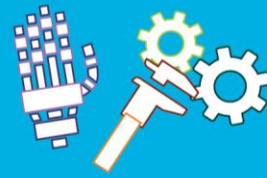
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TEAM

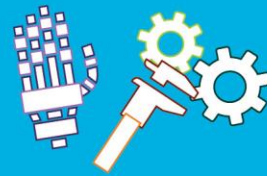
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TEAM

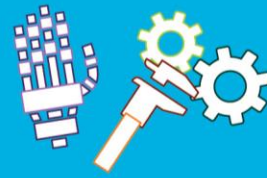
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TEAM

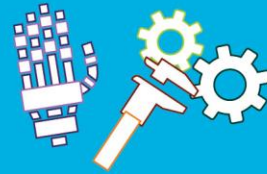
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F5.0

**Masking tape
30cm**



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**Masking tape
30cm**

F5.0



F8.0

**Double-sided
tape 30cm**



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**Double-sided
tape 30cm**

F8.0



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F5.0

Corrugated Plastic A5 sheet

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Corrugated Plastic A5 sheet

F5.0

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F5.0

Recycled Items Each

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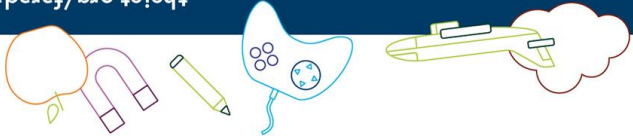
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Recycled Items Each

F5.0

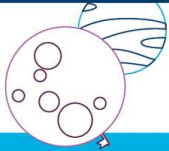
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F1.0

A4 plain paper
Each



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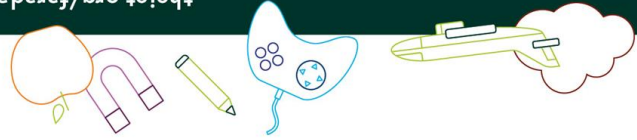
A4 plain paper
Each

F1.0



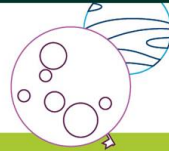
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F1.0

Coloured card
A4 Each



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Coloured card
A4 Each

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F5.0

**Foil 30cm x
30cm Each**



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**Foil 30cm x
30cm Each**

F5.0



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F4.0

**Wooden dowel
20cm 2 sticks**

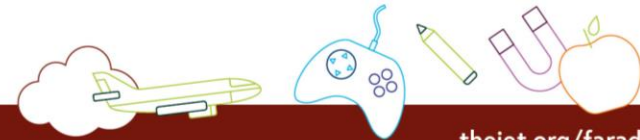


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**Wooden dowel
20cm 2 sticks**

F4.0



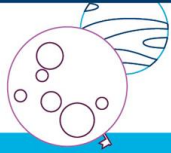
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**Bubble wrap
25cm x 25cm
Each 1 sheet**

F2.0



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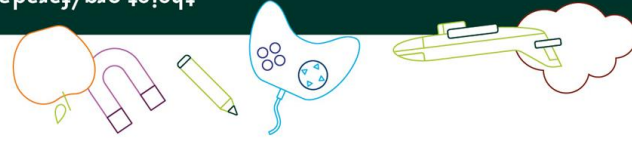
**Bubble wrap
25cm x 25cm
Each 1 sheet**

F2.0



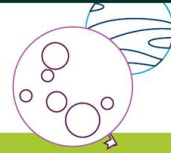
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**Motor with gear
attached Each**

F5.0



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**Motor with gear
attached Each**

F5.0



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Each

Motor with pulley attachment

F5.0



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Motor with pulley attachment
Each

F5.0



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Straws
10 straws

F10.0



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Straws
10 straws

F10.0



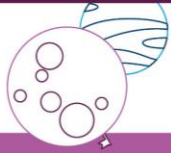
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F1.0

String per
meter



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String per
meter

F1.0



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F1.0

Paper fasteners
5 fasteners



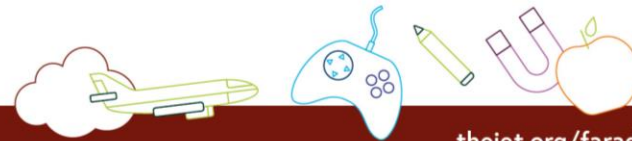
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Paper fasteners
5 fasteners

F1.0



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F1.0

**Paper clips
5 paper clips**



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**Paper clips
5 paper clips**

F1.0



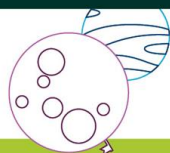
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F2.0

**Elastic bands
10 bands**



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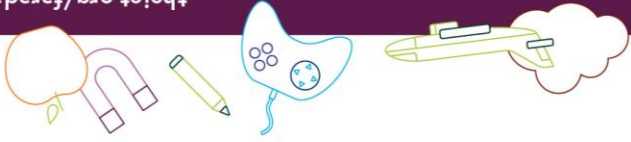
**Elastic bands
10 bands**

F2.0



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F30.0

**Stopwatch
Each**



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**Stopwatch
Each**

F30.0



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F5.0

**White Tak
Small strip**



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**White Tak
Small strip**

F5.0

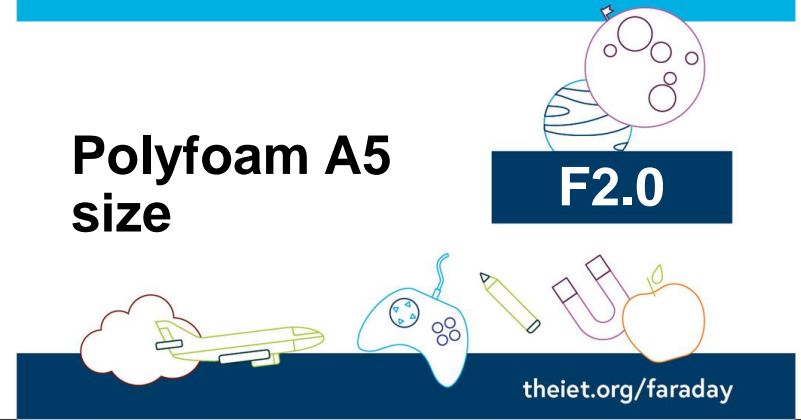


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F2.0

Polyfoam A5 size



Polyfoam A5 size

F2.0



F10.0

Copper wire red per meter



Copper wire red per meter

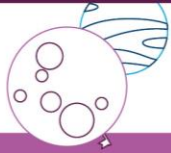
F10.0

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F10.0

**Copper wire
black per meter**



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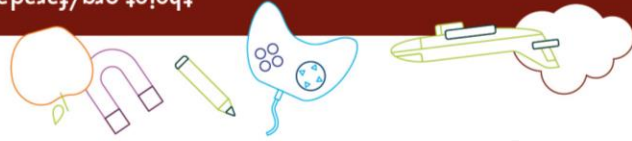
**Copper wire
black per meter**

F10.0



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F10.0

**Bare copper
wire per meter**

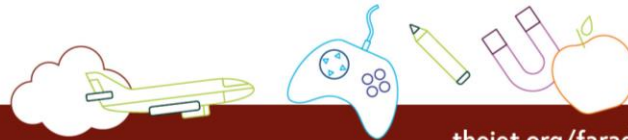


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**Bare copper
wire per meter**

F10.0



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F5.0

**Croc leads red
Each**

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**Croc leads red
Each**

F5.0



F5.0

**Croc leads
black Each**

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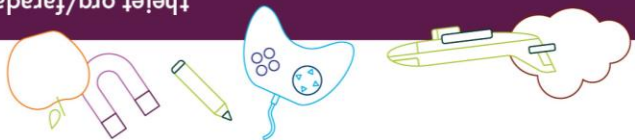
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**Croc leads
black Each**

F5.0



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F5.0

Croc clips Each



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Croc clips Each

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F2.0

Terminal blocks Each



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Terminal blocks Each

F2.0



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F12.0

**Cog Large
Each**

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**Cog Large
Each**

F12.0



F6.0

**Cog Medium
Each**

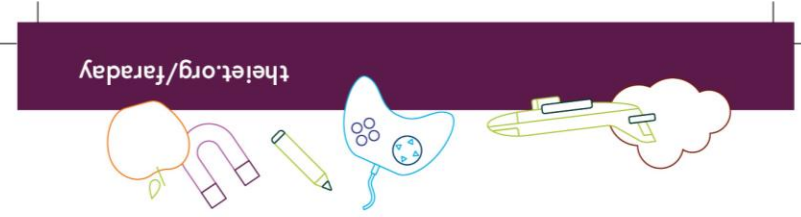
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**Cog Medium
Each**

F6.0





F3.0

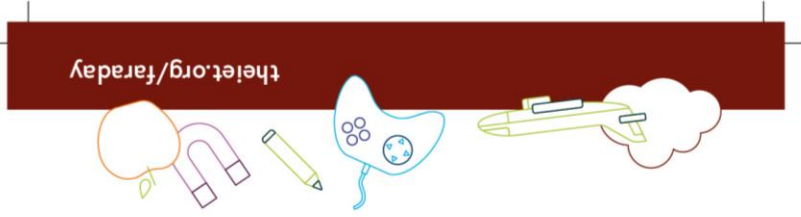
**Cog Small
Each**



**Cog Small
Each**

F3.0

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F2.0

**Batteries AA
size Each**



**Batteries AA
size Each**

F2.0

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F10.0

**Wheel
2 Wheels**

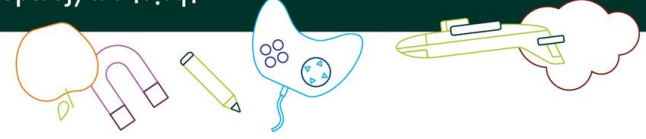
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**Wheel
2 Wheels**

F10.0

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F2.0

**Battery snap
9V Each**

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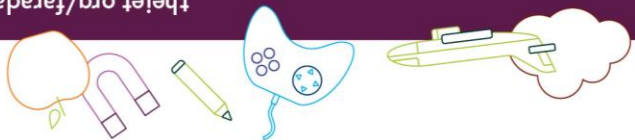
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**Battery snap
9V Each**

F2.0

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F1.0

**Battery holder
2 AA cells Each**



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**Battery holder
2 AA cells Each**

F1.0



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F5.0

**Batteries 9V
Each**



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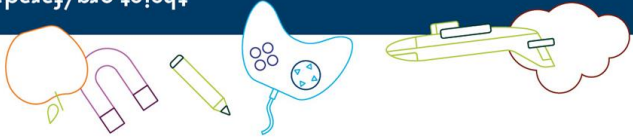
**Batteries 9V
Each**

F5.0



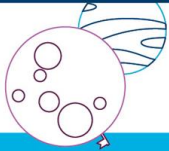
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F5.0

**Buzzers 3 Volt
Each**



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Faraday Challenge Days

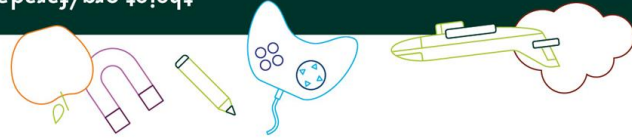
**Buzzers 3 Volt
Each**

F5.0



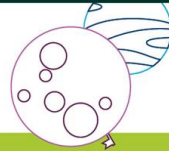
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Switches Each



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Switches Each

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Magnet Each



Faraday Challenge Days

Magnet Each

F5.0



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F5.0

**Motor holder
Each**



Faraday Challenge Days

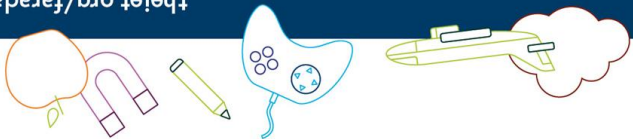
**Motor holder
Each**

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**Hole punch
5 minutes**



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**Hole punch
5 minutes**

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**Stapler
5 minutes**



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**Stapler
5 minutes**

F5.0



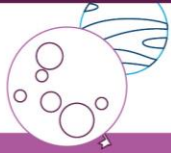
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**Screwdriver
small 5 minutes**



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**Screwdriver
small 5 minutes**

F1.0



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F10.0

**Calculator
5 minutes**

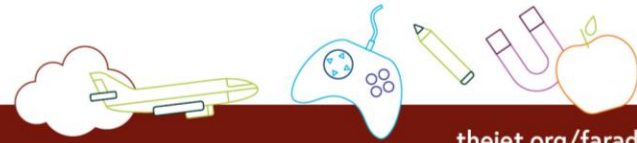


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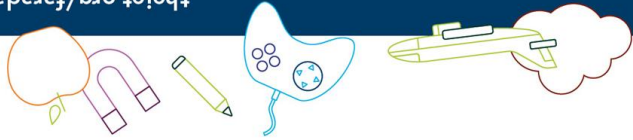
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**Calculator
5 minutes**

F10.0



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FREE

Craft knife

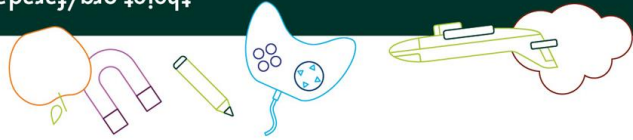
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Craft knife

FREE



FREE

Glue gun

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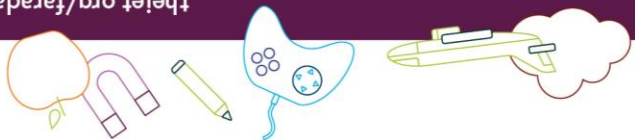


Glue gun

FREE



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F1.0

**Lollipop Sticks
1 stick**



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**Lollipop Sticks
1 stick**

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**Pulley wheel
Each**



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**Pulley wheel
Each**

F5.0



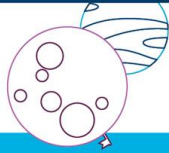
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**STEM
consultancy
time 5 minutes**

F10.0



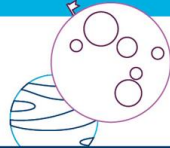
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**STEM
consultancy
time 5 minutes**



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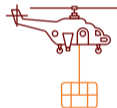
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F1

Faraday Reserve Note



One Faraday



Michael Faraday



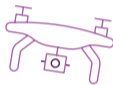
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F5

Faraday Reserve Note

Five Faradays



Michael Faraday





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F10

Faraday Reserve Note

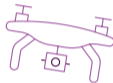
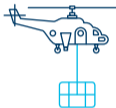
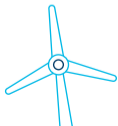
Ten Faradays



Michael Faraday

Faraday Reserve Note

Twenty Faradays



Michael Faraday