



Education

### The IET

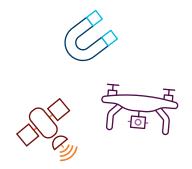
### DIY Faraday Challenge Day

### Emergency Communications Teacher Extras

theiet.org/faraday

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### DIY Faraday Challenge Day







Presented to

Signed by

Date







#### **Student Team Registration Form**

#### Team No: ....

Faraday Challenge Date:
Your School Name:
Your Teacher's Name:

#### Team Members

1	•				 •	•		•	•	• •	 •	•	•	•	• •			•	• •		•	•	 •	•	•	 		•
2	•	•		•	 •	•		• •	•	•	 •	•	•	•				•	• •		•	•	 •	•	•	 		•
3	•	•	••	•	 • •	•	••	• •	•	• •	 • •	•	•	•			1	•	• •	• •	•	• '	 • •	•	•	 		•
4	•	•			 • •	•		• •	•	• •	 • •	•	•	•				•		• •	•	• '	 • •	•	•	 		•
5	•	•	••	•	 •	•			•	• •	 •	•	•	•				•	• •		•	•	 •	•	•	 	• •	•
6		•		•	 • •	•			•	• •	 • •	•	•	•		• •		•	• •		•	• •	 • •	•	•	 		







#### Faraday Challenge Day

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)







### The IET

## DIY Faraday Challenge Day

### Emergency Communications Final messages

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Message 1

#### The message you need to transmit to your team is:

#### FOOD ARRIVING

You have 5 minutes. Good luck!

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Message 2

#### The message you need to transmit to your team is:

#### TRANSPORT NOW

You have 5 minutes. Good luck!

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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!

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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!

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Message 7

#### The message you need to transmit to your team is:

#### **RESCUE COMING**

You have 5 minutes. Good luck!

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Message 8

#### The message you need to transmit to your team is:

#### **OK COMMUNICATE**

You have 5 minutes. Good luck!

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#### Practice message:

#### **NEED ENGINEER IN AT 5**

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#### Practice message:

#### WILL NOT COME UNTIL 8

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Education

### Town Alpha







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### Town Beta

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# **Cutting Station**

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### For Hire

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# **Gluing Station**



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## **Inspiration Station**







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# Judges Table







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# **Recycled Materials**

# **F5.00**







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### **Test Area**



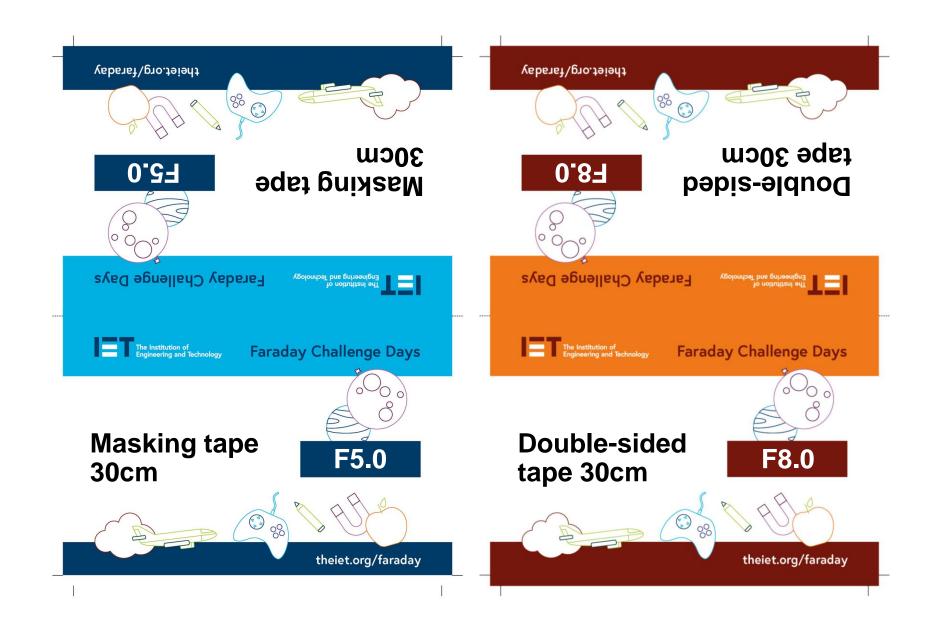




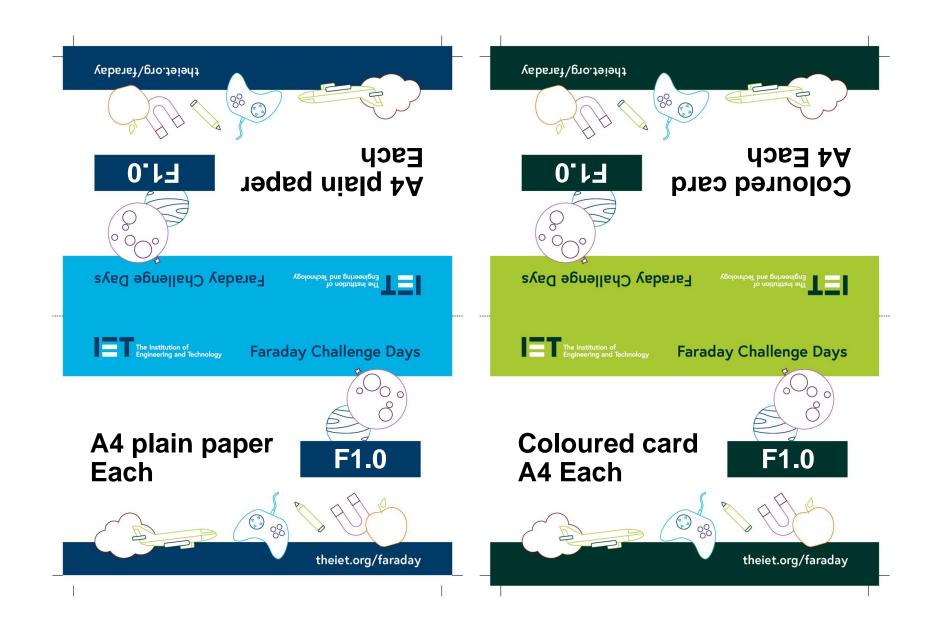
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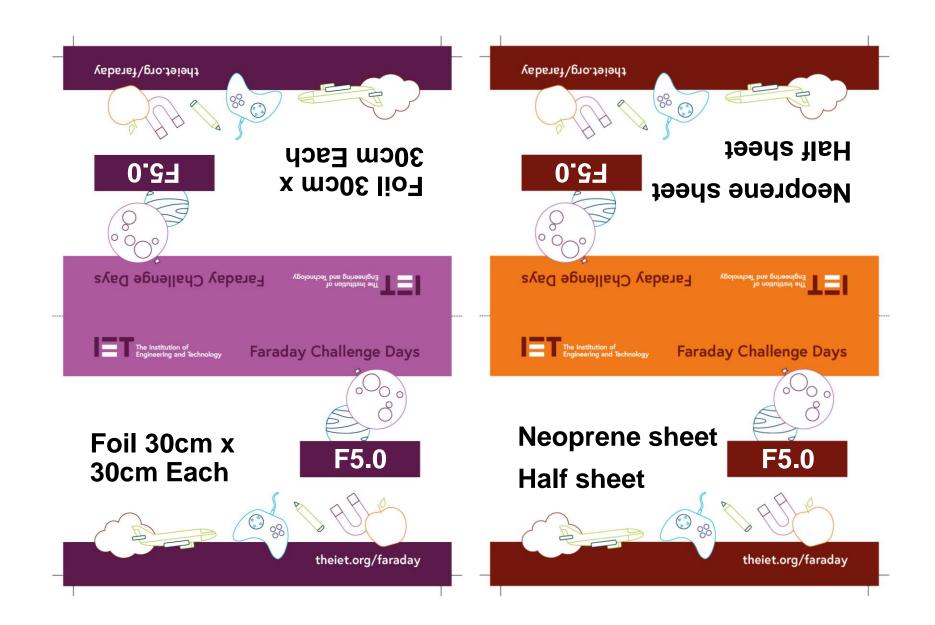
## The Shop

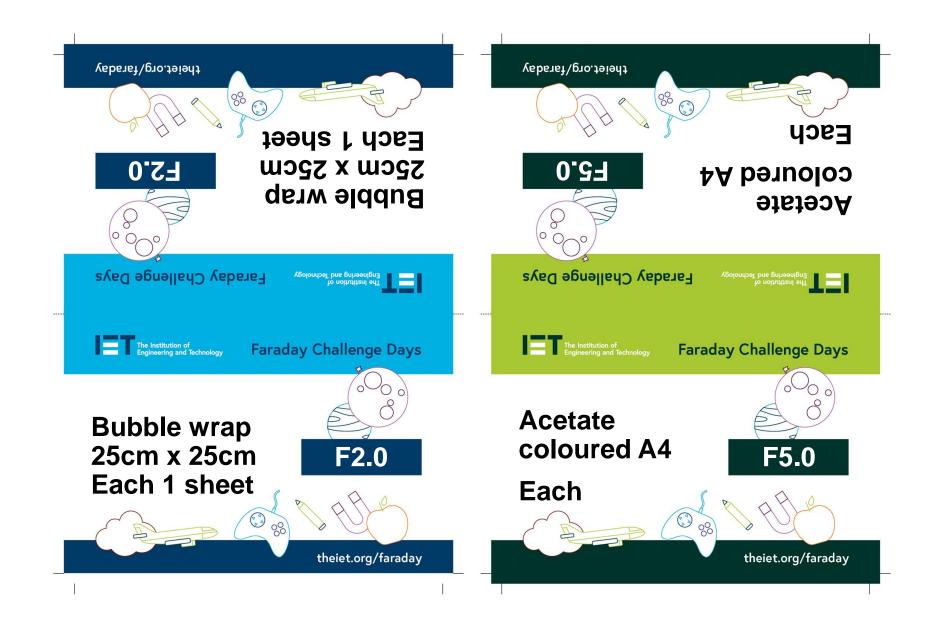
theiet.org/faraday I f @ @IETeducation

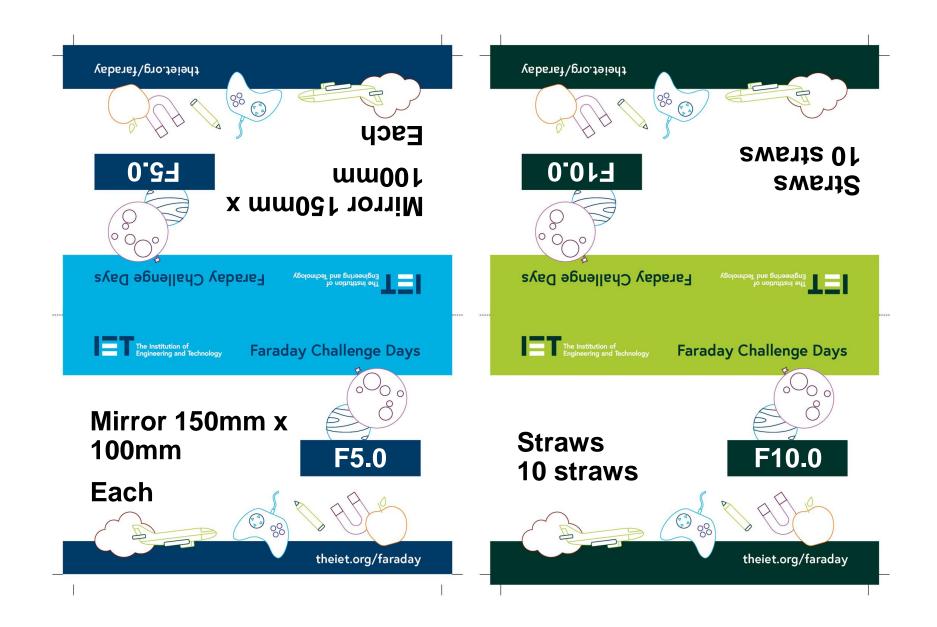


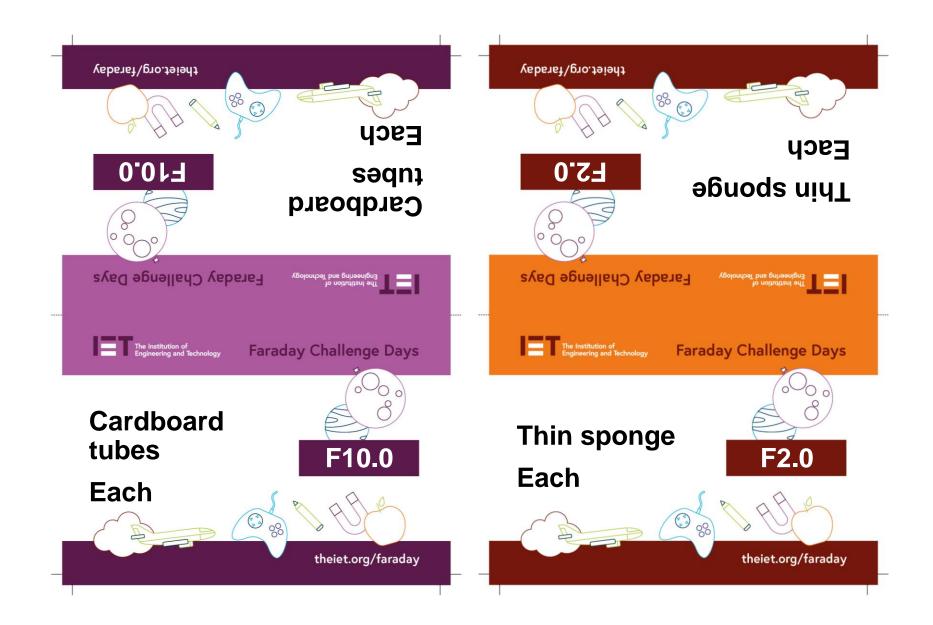




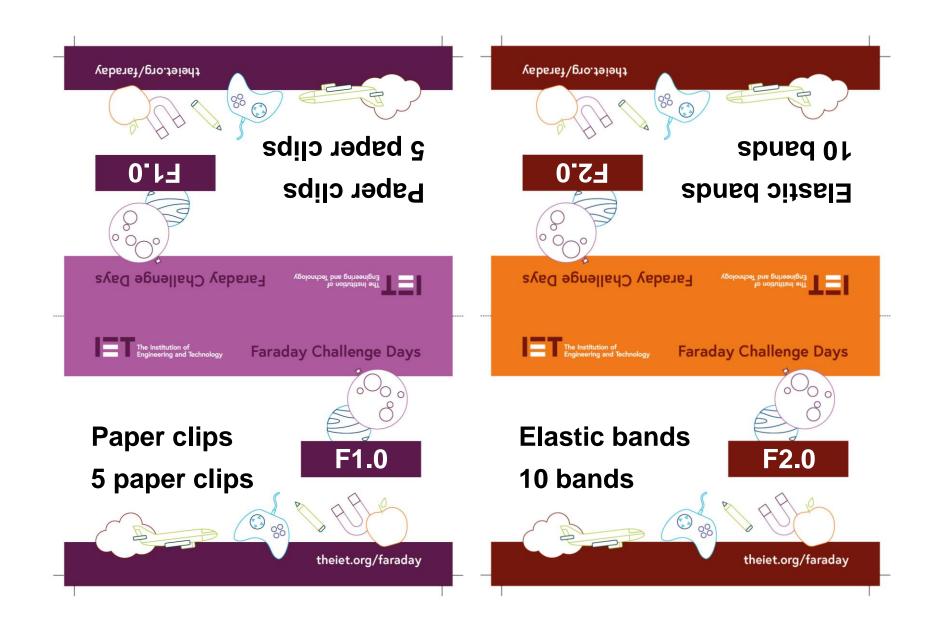


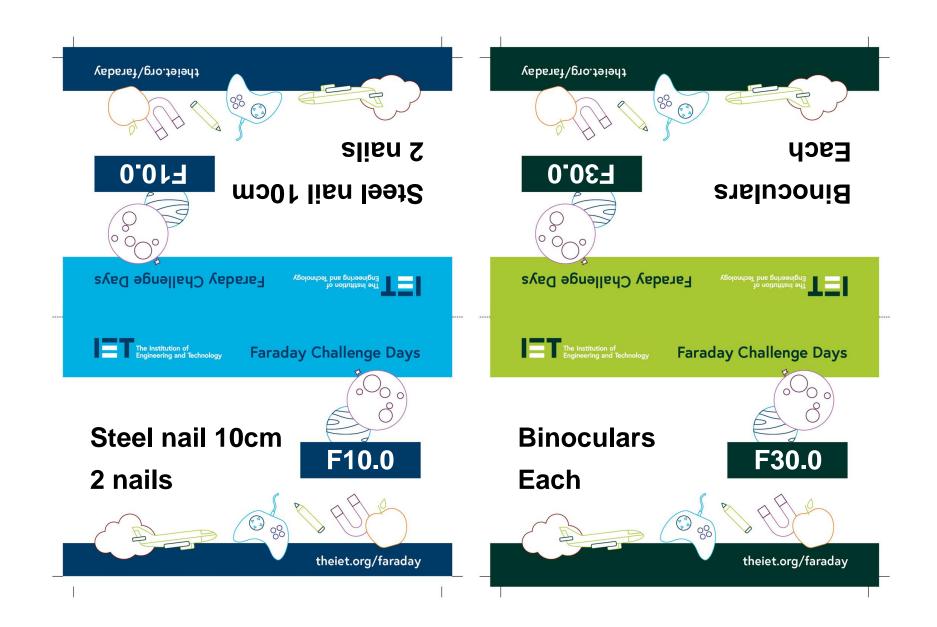


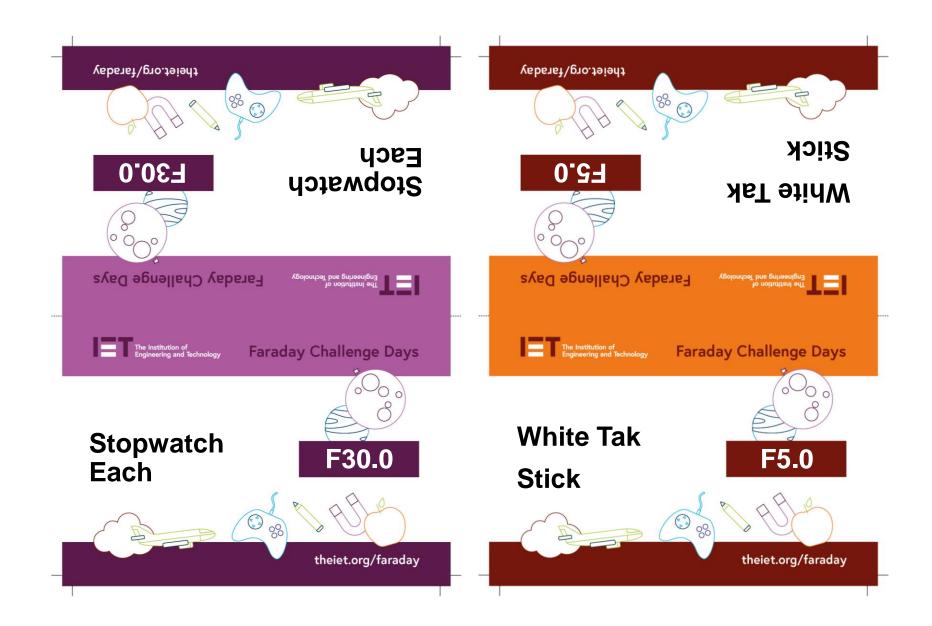


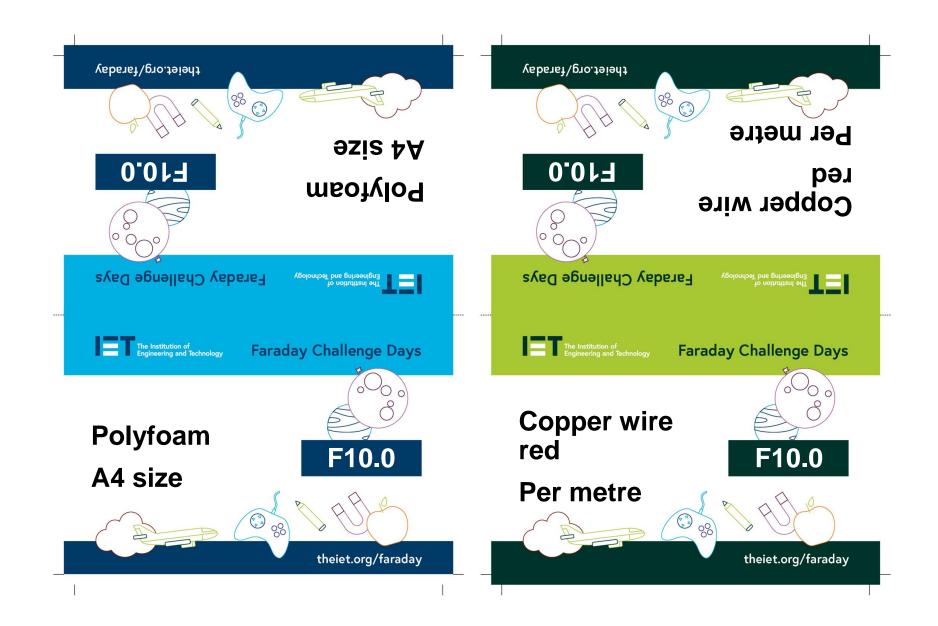




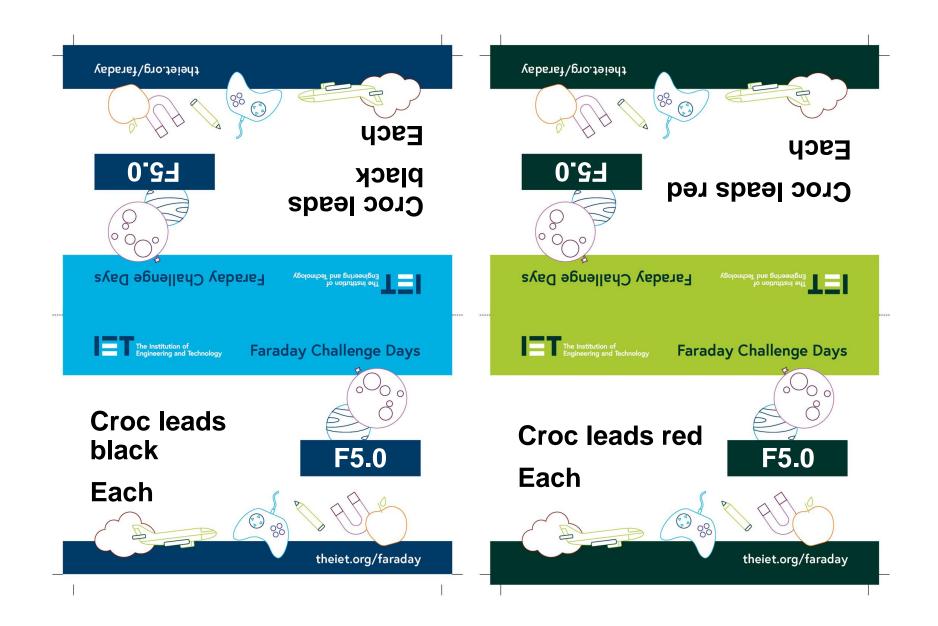


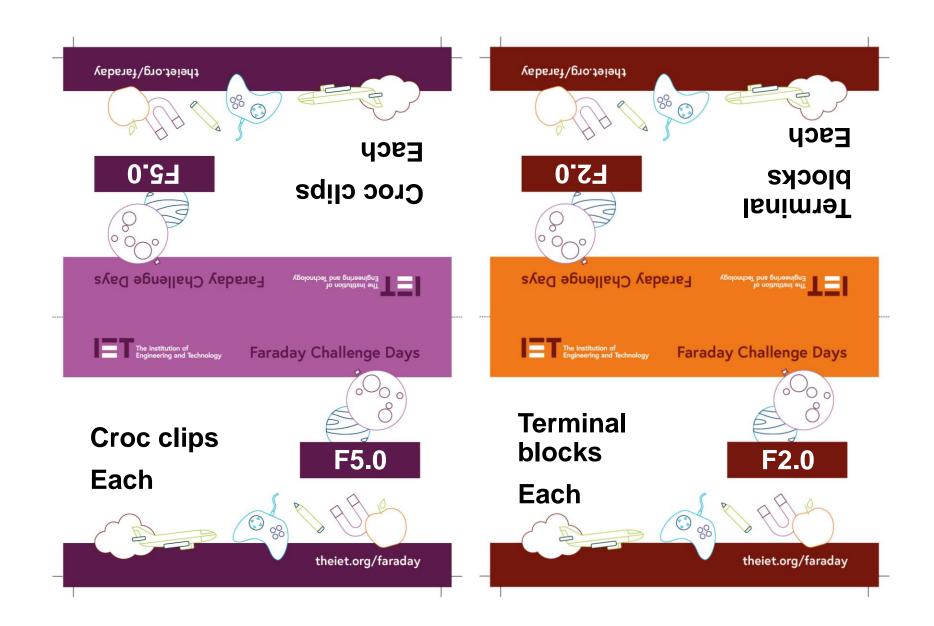


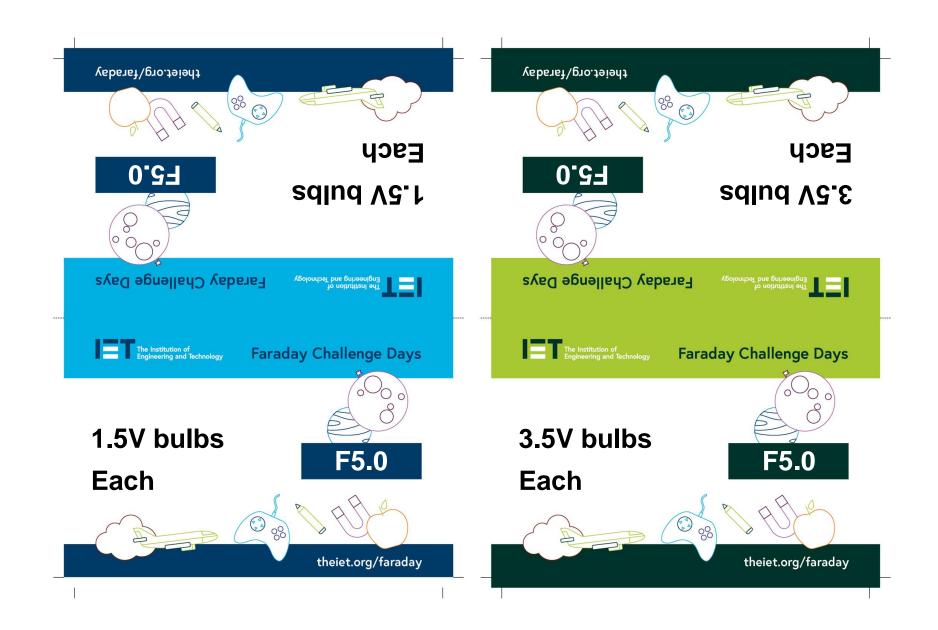


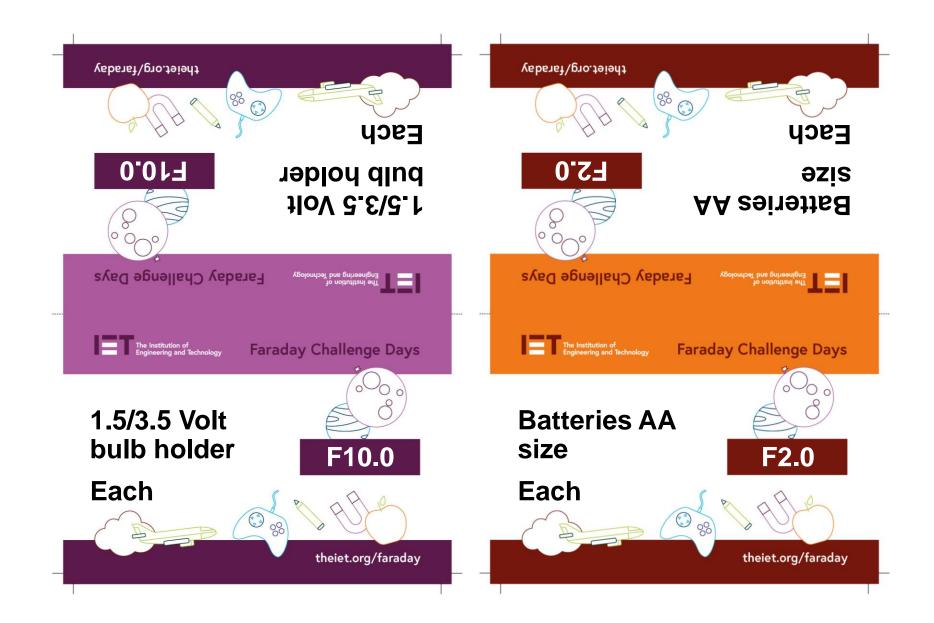


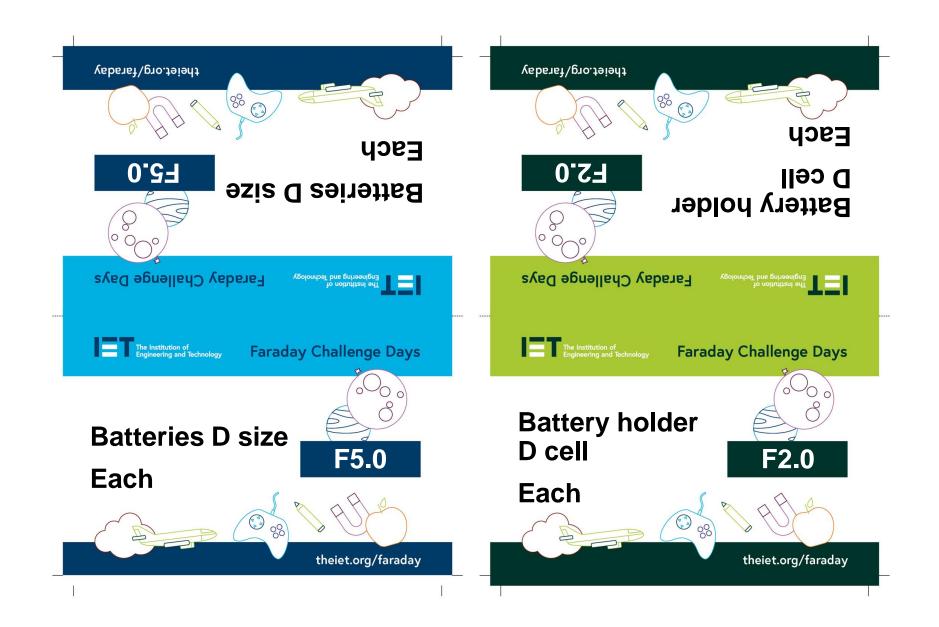


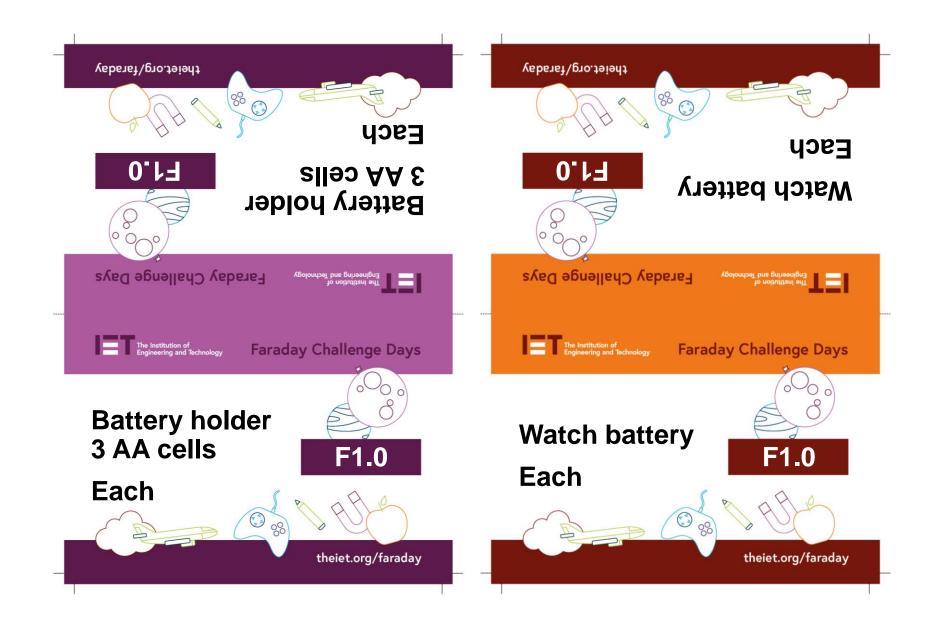


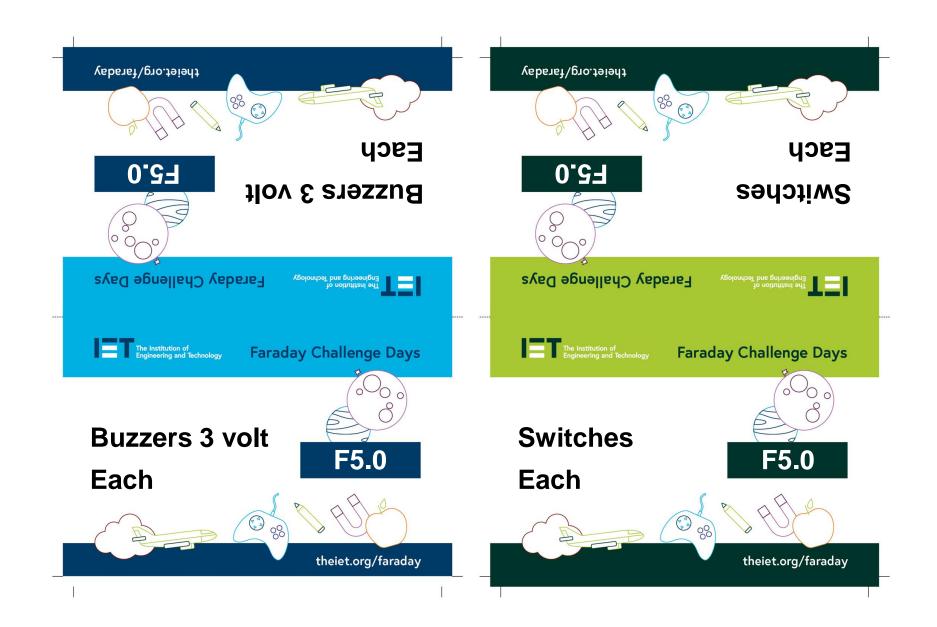


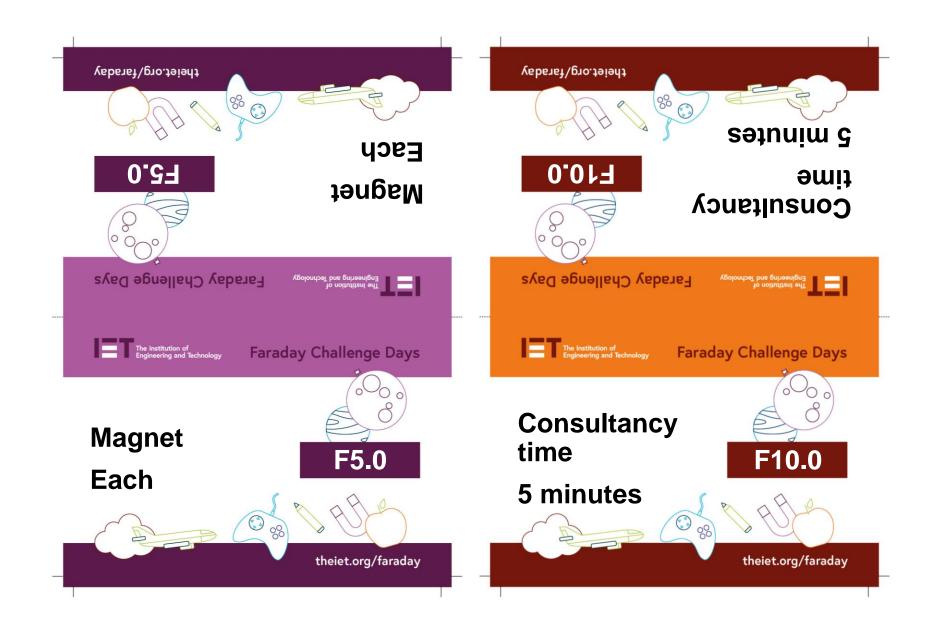


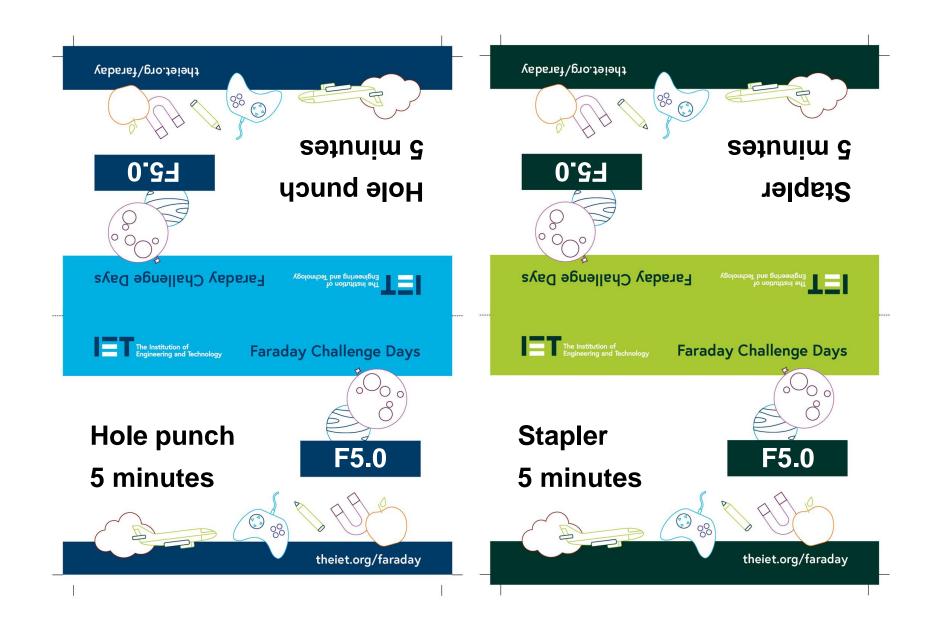


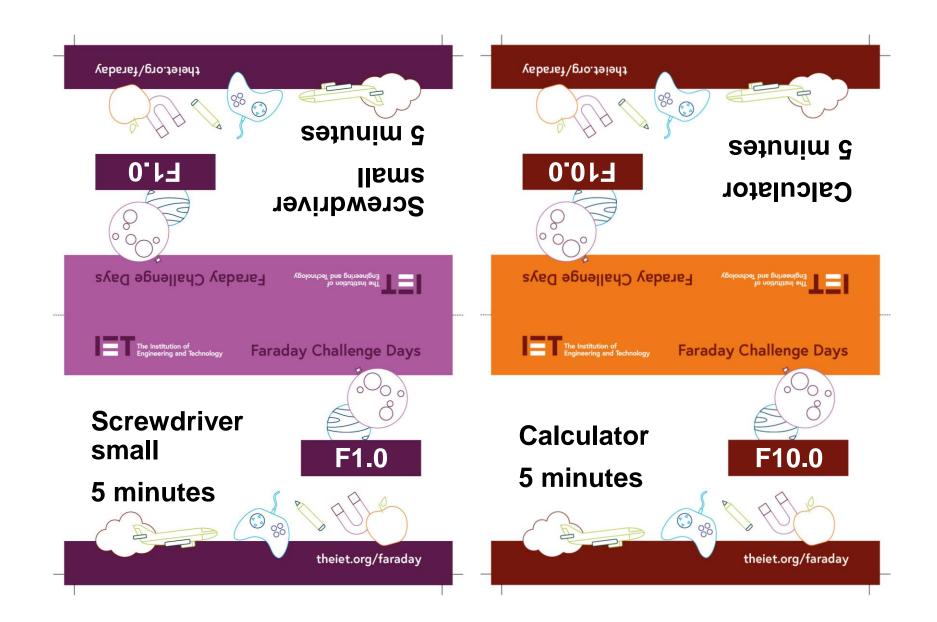
























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