

Introduction

This game is a revision activity to a lesson or series of lessons on early Yr 7 electric topics.

Running the activity

There are 50 cards, two to a page, all different. Print out as many pages as you need and cut them in half to make individual cards. Give out individual cards to each pupil. The cards can be laminated and a wax pencil used to mark them.

The teacher has the sheet of key word definitions. Mark or tick off the questions asked during each session. You may wish to substitute definitions targeted at your pupils. The definitions are read out and pupils have to recognise and cross off the key word on their card. The first pupil to cross off all the words on their card receives a small prize. Check the winning card with the class to focus on the words used in the activity. Pupils can write out any definitions they do not recognise.

For a blank file contact nigel.heslop@scienceyear.com

Safety

Not applicable.

More ideas

The questions can be used as the basis of a quiz. Key words could be displayed beside the teaching station. Sticky Velcro patches make a good support for the word display. There should only be a few key words to focus attention on the target vocabulary for that session.

Learning outcomes

- Simple vocabulary and ideas for early electric concepts

Where the activity fits in

Revising and consolidating
QCA SoW 7J

Skills

Vocabulary, recall skills.

✓ Tick these off when used in the session

Unit of electric potential:	Volt
Unit of electric current:	Ampere
This has to be complete for the electricity to work:	Circuit
Supplies the energy in a torch:	Battery
Colour of a positive connection:	Red
Colour of a negative connection:	Black
The brown wire in a 3-pin plug:	Live
Yellow-green wire in a 3-pin plug:	Earth
This melts if the electric current is too high:	Fuse
Colour of the neutral wire in a 3-pin plug:	Blue
Mains voltage in the UK:	230V (220V – 240V)
A safe voltage to use; a car battery voltage:	12V
The voltage of a single dry cell battery:	1.5V
Brown fuse for the 3-pin plug of a high power appliance:	13 amp
Red fuse for the 3-pin plug of a low power appliance:	5 amp
Killer voltage used for National Grid systems:	230,000V (220,000V – 240,000V)
Unit of electrical power:	Watt
The power of a bright light bulb:	150W
Used to measure the electric current:	Ammeter
Circuit where if one bulb goes out the others stay on:	Parallel

Electric Bingo Card

Volt	Ampere	Circuit		
Black		Earth		Blue
230V	12V		13 amp	
230,000V			Ammeter	Parallel

Electric Bingo Card

Volt	Ampere		Battery	
Black			Fuse	Blue
230V	12V			5 amp
	Watt	150W	Ammeter	

Electric Bingo Card

Volt	Ampere			Red
	LiVe	Earth	Fuse	
230V		1.5V	13 amp	
	Watt	150W		Parallel

Electric Bingo Card

Volt		Circuit	Battery	
	LiVe	Earth		Blue
230V		1.5V		5 amp
	Watt		Ammeter	Parallel

Electric Bingo Card

Volt		Circuit		Red
	LiVe		Fuse	Blue
230V			13 amp	5 amp
		150W	Ammeter	Parallel

Electric Bingo Card

Volt			Battery	Red
		Earth	Fuse	Blue
	12V	1.5V	13 amp	
230,000V	Watt	150W		

Electric Bingo Card

	Ampere	Circuit	Battery	
Black	LiVe	Earth		
	12V	1.5V		5 amp
230,000V	Watt		Ammeter	

Electric Bingo Card

	Ampere	Circuit		Red
Black	LiVe		Fuse	
	12V		13 amp	5 amp
230,000V	Watt			Parallel

Electric Bingo Card

	Ampere		Battery	Red
Black	LiVe			Blue
		1.5V	13 amp	5 amp
230,000V		150W	Ammeter	

Electric Bingo Card

		Circuit	Battery	Red
Black		Earth	Fuse	
230V	12V	1.5V		
230,000V		150W		Parallel

Electric Bingo Card

Volt		Circuit		Red
Black	LiVe	Earth		
230V	12V			5 amp
	Watt		Ammeter	Parallel

Electric Bingo Card

Volt			Battery	Red
Black	LiVe		Fuse	
230V		1.5V	13 amp	
		150W	Ammeter	Parallel

Electric Bingo Card

	Ampere	Circuit	Battery	
Black	LiVe			Blue
230V		1.5V		5 amp
230,000V	Watt	150W		

Electric Bingo Card

	Ampere	Circuit		Red
Black		Earth	Fuse	
230V			13 amp	5 amp
230,000V	Watt		Ammeter	

Electric Bingo Card

	Ampere		Battery	Red
Black		Earth		Blue
	12V	1.5V	13 amp	
230,000V	Watt			Parallel

Electric Bingo Card

		Circuit	Battery	Red
Black			Fuse	Blue
	12V	1.5V		5 amp
230,000V		150W	Ammeter	

Electric Bingo Card

Volt	Ampere	Circuit		
	LiVe	Earth	Fuse	
	12V		13 amp	5 amp
230,000V		150W		Parallel

Electric Bingo Card

Volt	Ampere		Battery	
	LiVe	Earth		Blue
		1.5V	13 amp	5 amp
230,000V			Ammeter	Parallel

Electric Bingo Card

Volt	Ampere			Red
	LiVe		Fuse	Blue
230V	12V	1.5V		
	Watt	150W	Ammeter	

Electric Bingo Card

Volt		Circuit	Battery	
		Earth	Fuse	Blue
230V	12V		13 amp	
	Watt	150W		Parallel

Electric Bingo Card

	Ampere		Battery	Red
Black	LiVe	Earth		
230V		1.5V	13 amp	
230,000V			Ammeter	Parallel

Electric Bingo Card

		Circuit	Battery	Red
Black	LiVe		Fuse	
230V		1.5V		5 amp
	Watt	150W	Ammeter	

Electric Bingo Card

Volt	Ampere	Circuit		
Black	LiVe			Blue
230V			13 amp	5 amp
	Watt	150W		Parallel

Electric Bingo Card

Volt	Ampere		Battery	
Black		Earth	Fuse	
	12V	1.5V	13 amp	
	Watt		Ammeter	Parallel

Electric Bingo Card

Volt	Ampere			Red
Black		Earth		Blue
	12V	1.5V		5 amp
		150W	Ammeter	Parallel

Electric Bingo Card

Volt		Circuit	Battery	
Black			Fuse	Blue
	12V		13 amp	5 amp
230,000V	Watt	150W		

Electric Bingo Card

Volt		Circuit		Red
	LiVe	Earth	Fuse	
		1.5V	13 amp	5 amp
230,000V	Watt		Ammeter	

Electric Bingo Card

Volt			Battery	Red
	LiVe	Earth		Blue
230V	12V	1.5V		
230,000V	Watt			Parallel

Electric Bingo Card

	Ampere	Circuit	Battery	
	LiVe		Fuse	Blue
230V	12V		13 amp	
230,000V		150W	Ammeter	

Electric Bingo Card

	Ampere	Circuit		Red
		Earth	Fuse	Blue
230V	12V			5 amp
230,000V		150W		Parallel

Electric Bingo Card

Volt	Ampere	Circuit		
	LiVe		Fuse	Blue
230V		1.5V		5 amp
	Watt	150W	Ammeter	

Electric Bingo Card

Volt	Ampere		Battery	
		Earth	Fuse	Blue
230V			13 amp	5 amp
	Watt	150W		Parallel

Electric Bingo Card

Volt	Ampere			Red
Black	LiVe	Earth		
	12V	1.5V	13 amp	
	Watt		Ammeter	Parallel

Electric Bingo Card

Volt		Circuit	Battery	
Black	LiVe		Fuse	
	12V	1.5V		5 amp
		150W	Ammeter	Parallel

Electric Bingo Card

Volt		Circuit		Red
Black	LiVe			Blue
	12V		13 amp	5 amp
230,000V	Watt	150W		

Electric Bingo Card

Volt			Battery	Red
Black		Earth	Fuse	
		1.5V	13 amp	5 amp
230,000V	Watt		Ammeter	

Electric Bingo Card

	Ampere	Circuit	Battery	
Black		Earth		Blue
230V	12V	1.5V		
230,000V	Watt			Parallel

Electric Bingo Card

	Ampere	Circuit		Red
Black			Fuse	Blue
230V	12V		13 amp	
230,000V		150W	Ammeter	

Electric Bingo Card

	Ampere		Battery	Red
	LiVe	Earth	Fuse	
230V	12V			5 amp
230,000V		150W		Parallel

Electric Bingo Card

		Circuit	Battery	Red
	LiVe	Earth		Blue
230V		1.5V	13 amp	
230,000V			Ammeter	Parallel

Electric Bingo Card

Volt	Ampere	Circuit		
Black		Earth	Fuse	
	12V	1.5V		5 amp
230,000V	Watt		Ammeter	

Electric Bingo Card

Volt	Ampere		Battery	
Black		Earth		Blue
	12V		13 amp	5 amp
230,000V	Watt			Parallel

Electric Bingo Card

Volt	Ampere			Red
Black			Fuse	Blue
		1.5V	13 amp	5 amp
230,000V		150W	Ammeter	

Electric Bingo Card

Volt		Circuit	Battery	
	LiVe	Earth	Fuse	
230V	12V	1.5V		
230,000V		150W		Parallel

Electric Bingo Card

Volt		Circuit		Red
	LiVe	Earth		Blue
230V	12V		13 amp	
230,000V			Ammeter	Parallel

Electric Bingo Card

Volt			Battery	Red
	LiVe		Fuse	Blue
230V	12V			5 amp
	Watt	150W	Ammeter	

Electric Bingo Card

	Ampere	Circuit	Battery	
		Earth	Fuse	Blue
230V		1.5V	13 amp	
	Watt	150W		Parallel

Electric Bingo Card

	Ampere	Circuit		Red
Black	LiVe	Earth		
230V		1.5V		5 amp
	Watt		Ammeter	Parallel

Electric Bingo Card

	Ampere		Battery	Red
Black	LiVe		Fuse	
230V			13 amp	5 amp
		150W	Ammeter	Parallel

Electric Bingo Card

		Circuit	Battery	Red
Black	LiVe			Blue
	12V	1.5V	13 amp	
230,000V	Watt	150W		