

Motionhouse

CHARGE

ELECTRIFYING DANCE CIRCUS



Primary Education Resources



With its scientific themes, Charge is ideally placed to engage children with science and ignite curiosity in the biological electricity of their own bodies.

Charge has also been developed as a springboard to support learning across the curriculum: in literacy, geography, PE, music, history, PSHE and art.

1. INTRODUCTION:

A pupil-friendly launch into the work, including points of interest, discussion questions and unseen trailer footage.



WELCOME TO THE PRIMARY EDUCATION RESOURCES FOR CHARGE

Charge is the first in our primary resources. This one hour resource is a useful tool to introduce and explore the science of electricity and energy in a way that is fun and engaging. It includes a range of activities, including a quiz, a story, a song and a dance. It is designed to be used as a starting point for further exploration of the science of electricity and energy.



2. PROFESSOR ASHCROFT'S BIO-ELECTRICITY Q&A:

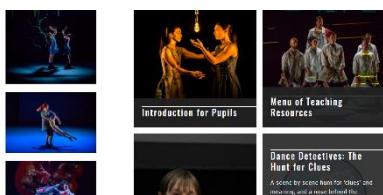
Fascinating facts about biological electricity taken from Professor Frances Ashcroft's book, 'The Spark of Life: Electricity in the Human Body'; the inspiration behind Charge.



3. DANCE DETECTIVES:

Questions pointing to 'clues' in each scene for the teachers and class to consider: why did the choreographer choose to do this? What do you think he was trying to say? Plus a summary of ideas and images and what the scene might be about.



4. HOW DID THEY DO THAT? A peek behind the scenes to find out how special effects, images and sequences were created












5. TEACHER'S RESOURCES




14 Lesson plans to support engagement and learning in science and across the curriculum and the full production video/complete audio from Charge.

The scene-by-scene menu below provides a preview of the range and type of content you will be able to access once you have purchased your access code:

SCENE	CURRICULUM LINK	THEME / ACTIVITIES	LEARNING OBJECTIVE
Strop Duet 	PSHE	Short term memory: observational skills, remembering techniques & learning strategies through games	KS1: develop skills of observation, concentration and remembering KS2: understand that we have a short and a long term memory and there are things we can do to help us learn and remember more effectively.
Frogs 	Science	Frogs: life cycle, habitat, classification as amphibian, movement. Research and debate: animal dissection & vivisection	KS1: understand frogs as amphibians; their movement and their habitat. Encourage care of wildlife KS2: Understand frog skeletons, movement & life cycle. Develop presentation/debating skills

<p>Zoetrope</p> 	<p>History</p>	<p>Toys & games before electricity. Zoetropes and flip books</p>	<p>KS1: Understand the impact of electricity on everyday life KS2: Practise research, design and making skills</p>
<p>Lightning Storm</p> 	<p>Geography</p>	<p>Electrical storms and global patterns of extreme weather conditions</p>	<p>Learn about extreme weather conditions and personal safety</p>
<p>Frank</p> 	<p>Literacy</p>	<p>Mine classic stories for descriptive language: KS1 The Gruffalo KS2 Frankenstein</p>	<p>KS1: identify adjectives and adverbs KS2: Identify MAPOS, openers, subordinate clauses & WOW words.</p>
<p>Hive City</p> 	<p>Science PE Dance</p>	<p>Simple circuits using 'canon' dance devices, partner/contact ideas and parkour</p>	<p>KS2: Understand how a simple circuit works and name its parts KS1/2: provide opportunities to develop physical skills of control, balance, partnering, running, jumping, and how to navigate apparatus safely</p>
<p>Lightbulbs</p> 	<p>Science</p>	<p>Electrical safety in the home Contemporary concerns: renewable energy; saving energy</p>	<p>KS1: understand where electricity comes from KS2: Understand today's need for renewable energy sources and how to save energy</p>

<p>Strop Duet II</p> 	<p>Science</p>	<p>CNS. Brain illusions, brain facts quiz,</p>	<p>KS1/2: appreciate the complexity of the brain & CNS and its role as the body's messaging and processing system Know that the brain can be misled.</p>
<p>Memories of Paris</p> 	<p>Music</p>	<p>Musical genres & appreciation: listening, describing, analysing, making and playing</p>	<p>KS1: Listen to different musical styles with concentration and understanding KS2: Learn about the structure of the ear and how we hear; listen with attention to detail and play sensitively in an ensemble.</p>
<p>The Cycle of Life</p> 	<p>Literacy / PSHE</p>	<p>Poetry analysis: Shakespeare's <i>The Seven Ages of Man</i></p>	<p>KS1: Appreciate that, like frogs, humans have a life-cycle. KS2: develop confidence to understand poetry and Shakespeare and identify linguistic devices such as metaphor, simile & alliteration</p>
<p>Brain</p> 	<p>Science</p>	<p>Parts of the brain & their functions. Sleep. Dreaming</p>	<p>KS2: be familiar with the main parts of the brain. Understand the importance of sleep and think about the function of dreams</p>

<p>Heart</p> 	<p>Science</p>	<p>The heart: effect of exercise on the pulse rate; practical interactive activities to help visualise the circulatory system</p>	<p>KS1: learn that O2 is a basic survival requirement and the heart an O2 pump KS2: identify key parts of the circulatory system & their role in transporting O2 and CO2 around the body</p>
<p>Losing Touch (Ion Channel)</p> 	<p>Art</p>	<p>Surrealism & the ion channel as stimuli: observing, appreciating, sketching, designing & making</p>	<p>KS1: Know how to make a simple puppet KS2: recognise surrealist images and understand how themes can translate into designs using colour, shape, line, image & pattern</p>
<p>Strop Duet III</p> 	<p>PSHE</p>	<p>Remembering; the fading of memory with age</p>	<p>KS2: appreciate the value of memory. Encourage empathetic connection with elderly relatives/neighbours</p>

Return to the Charge Portal to purchase the Primary Education Resources (£35) <https://charge.motionhouse.co.uk/teaching/>