

## PSTT Resources and how they connect to the Programme of Study (PoS) for English National Curriculum (NC)

Many teachers will be able to look at these activities and see the potential for how they could be used within a Science Programme of Study and we certainly encourage the creative use of the resources.

Please find below some suggestion for how they can be used within the NC for England's PoS.

	Curriculum link	Starters for Science <a href="#">Click here</a> to view all the resources.	Science Fun at Home <a href="#">Click here</a> to view all the resources.	Science for One <a href="#">Click here</a> to view all the resources.	I bet you didn't know... articles <a href="#">Click here</a> to view all the resources.	Other PSTT Resources
Year 1	Plants			7. <a href="#">Coat-hanger</a> 5. <a href="#">Egg Box</a> 4. <a href="#">Playdough</a> 1. <a href="#">Box</a>		<a href="#">Common Misconceptions: Light</a> <a href="#">Garden Watch</a>
	Animals Including Humans			6. <a href="#">Cup</a> 3. <a href="#">Foil</a>	<a href="#">How to play planetary hide and seek</a> <a href="#">Some mammals have unusual backbones</a>	<a href="#">Earth Explorers: Going under ground</a>
	Everyday Materials	3. <a href="#">Paper Flowers</a>		8. <a href="#">Plastic Bottle</a> 2. <a href="#">Straw</a>	<a href="#">What small magnetic robots can do</a> <a href="#">How to clean water using a molecular sieve</a>	
	Seasonal Changes					

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Year 2	Living things and their habitats	7. <a href="#">Animal camouflage</a>	5. <a href="#">Spider Safari</a>		<a href="#">Stripes and concealment</a> <a href="#">What is happening to the bees</a> <a href="#">Evolution of life in cities</a> <a href="#">Red squirrels adapt to the food they eat</a>	<a href="#">Earth Explorers: Icy blast</a>  <a href="#">Garden Watch</a>
	Plants			1. <a href="#">Box</a>		<a href="#">Earth Explorers: Bursting with life</a>  <a href="#">Earth Explorers: In a spin</a>
	Animals including Humans				<a href="#">How to calculate the age of a shark</a> <a href="#">Stripes and Concealment</a>	<a href="#">Science at Work: Florence Nightingale</a>
	Uses of everyday Materials	3. <a href="#">Paper Flowers</a>	10. <a href="#">Scavenger Hunt</a> 1. <a href="#">Science with Ice</a> 21. <a href="#">National Storytelling Week – The Gingerbread Man</a>	2. <a href="#">Straw</a>	<a href="#">What small magnetic robots can do</a> <a href="#">How to clean water using a molecular sieve</a> <a href="#">The disastrous effects of historical ink</a>	<a href="#">Pictures for talk: House</a>  <a href="#">Earth Explorers: Exploring the oceans</a>  <a href="#">Earth Explorers: Power up</a>

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Year 3	Plants				Bees and caterpillars can change the evolution of plants Tree restoration - it's now or never	City Science Stars: Pitch Perfect
	Animals including humans	7. <a href="#">Animal camouflage</a>	17. <a href="#">Roald Dahl day</a> 11. <a href="#">Body Science</a>		How to grow new skin Some mammals have unusual backbones	
	Rocks			5. <a href="#">Egg Box</a>		Big Jurassic Classroom
	Light	4. <a href="#">Shadow Puppets</a> 8. <a href="#">Mirrors and Light</a>	20. <a href="#">National Puzzle Day</a> 16. <a href="#">Light Up Science</a> 21. <a href="#">National Storytelling Week</a> - Mirror writing		Ice giants at the end of the Solar System	Common Misconceptions: Light  Challenge Chasers: Light Maze
	Forces and Magnets	10. <a href="#">Friction</a>		1. <a href="#">Box</a>	What small magnetic robots can do <a href="#">Insight into Mars</a> – How can materials become magnetised?	City Science Stars: Get a Grip  Challenge Chasers: Mini Hovercraft  City Science Stars: Kick Off To Lift-Off

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Year 4	Living things and their habitats				<p>Stripes and concealment</p> <p>Evolution of life in cities</p> <p>What is happening to the bees</p> <p>About biodiversity and trophic cascades</p> <p>Tree restoration - it's now or never</p> <p>Red squirrels adapt to the food they eat</p>	City Science Stars: Be A Sport
	Animals including humans	7. <a href="#">Animal camouflage</a>		6. <a href="#">Cup</a> 4. <a href="#">Playdough</a>	<p>About biodiversity and trophic cascades</p> <p>Termites can help rainforests survive drought</p> <p>Red squirrels adapt to the food they eat</p>	
	States of Matter	9. <a href="#">Melting Ice</a> 13. <a href="#">Blowing bubbles</a>	9. <a href="#">Salty Science</a> 6. <a href="#">What a Gas</a> 1. <a href="#">Science with Ice</a>		<p>Water can be harvested from the air in very dry climates</p> <p>Computers can measure the happiness of a city</p> <p>There is a storm coming and it is not going away – how are clouds formed?</p>	<p>Common Misconceptions: Time for a change!</p> <p>Picture for Talk</p>
	Sound	14. <a href="#">Making Music</a>	12. <a href="#">Sounds of Science</a> 7. <a href="#">Musical Science</a>	7. <a href="#">Coat hanger</a>	<p>Whale song is changing</p> <p>What happens underground when humans stay indoors</p> <p>There is lightning at the edge of the Solar System – calculate the speed of sound</p>	<p>Common Misconceptions: Sound</p> <p>Growing Music</p>



	Electricity				How plants know good microbes from bad ones	Common Misconceptions: Electricity City Science Stars: Roar of the Crowd
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Year 5	Living things and their habitats				Miracle healing could come from the Axolotl	Pictures for talk: Pollen
	Animals including humans			4. Playdough	How to grow a new skin How to calculate the age of a shark	
	Properties and changes of materials	3. <a href="#">Paper Flowers</a> 14. <a href="#">Colourful ink</a>	15. <a href="#">Liquid Science</a> 14. <a href="#">Science Flowers</a> 9. <a href="#">Salty Science</a> 8. <a href="#">Watery Science</a> 4. <a href="#">Sink or Swim</a> 3. <a href="#">Egg-citing Science</a> 1. <a href="#">Science with Ice</a>		How to clean water using a molecular sieve Toilets in the future may charge your mobile phone What small magnetic robots can do Slug slime might be the answer for medical adhesives The disastrous effects of historical ink	Common Misconceptions: Time for Change Picture for talk: Floating and sinking Challenge Chasers: Clean me! City Science Stars: Space Olympics
	Earth and Space		18. <a href="#">World Space Week</a> 13. <a href="#">Rocket Science</a>	2. <a href="#">Straw</a>	Insight into Mars Ice giants at the end of the Solar System There is a storm coming and it is not going away There is lightning at the edge of the Solar System How to play planetary hide and seek One of Saturn's moons could be a home for extra-terrestrial life	Science at Work: Gene Cernan, Meet two space scientists. City Science Stars

	Forces	<ul style="list-style-type: none"> <li>1. Paper Towers</li> <li>2. Straw Planes</li> <li>5. Falling paper</li> <li>6. Levers</li> <li>10. Friction</li> <li>11. Pendulum Towers</li> <li>12. Spinning paper</li> </ul>	2. Spinning Science	<ul style="list-style-type: none"> <li>8. Plastic Bottle</li> <li>5. Egg Box</li> <li>3. Foil</li> </ul>	<p>Some mammals have unusual backbones</p> <p>What small magnetic robots can do</p> <p>Slug slime might be the answer for medical adhesives</p>	<p>Common Misconceptions: Levers, gears and pulleys</p> <p>Why and How Challenge: 'O' ring flyer</p> <p>City Science Stars: On the Wing</p> <p>City Science Stars: Feel the Pressure</p> <p>Chain Reaction</p> <p>Challenge Chasers: Slow the drop!</p> <p>Challenge Chasers: Egg drop!</p> <p>Challenge Chasers: Escape!</p> <p>Challenge Chasers: Race!</p>
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Year 6	Living things and their habitats	7. <a href="#">Animal camouflage</a>		7. <a href="#">Coat hanger</a>	<a href="#">Dragons could save us from bad bacteria</a> <a href="#">Catching flu might depend on the type of place in which you live</a> <a href="#">What is happening to the bees</a> <a href="#">How plants know good microbes from bad ones</a> <a href="#">Bacteria get viral infections as well</a>	
	Animals including humans				<a href="#">Blood tests could detect cancer</a> <a href="#">Catching flu might depend on the type of place in which you live</a> <a href="#">Dragons could save us from bad bacteria</a>	<a href="#">City Science Stars: Match Fit</a>
	Evolution and Inheritance				<a href="#">Bees and caterpillars can change the evolution of plants</a> <a href="#">Some mammals have unusual backbones</a> <a href="#">Evolution of life in cities</a> <a href="#">Termites can help rainforests survive drought</a> <a href="#">Red squirrels adapt to the food they eat</a>	<a href="#">Common Misconceptions: Evolution</a> <a href="#">The Molliebird</a> <a href="#">City Science Stars: Survival of the Fittest</a>
	Light	<a href="#">4. Shadow Puppets</a> <a href="#">8. Mirrors and Light</a>	<a href="#">20. National Puzzle Day</a> <a href="#">16. Light Up Science</a>	<a href="#">6. Cup</a> <a href="#">3. Foil</a>	<a href="#">Ice giants at the end of the Solar System</a>	<a href="#">Common Misconceptions: Light</a>



Electricity

There is lightning at the edge of the Solar System - investigating static electricity

Common Misconceptions: Electricity