



Est. 1954

# תלמוד תורה פרדס

## Pardes House Primary School

Moshe Bude House, Hendon Lane, London, N3 1SA, Tel: 020-8343-3568, E-mail: [office@pardeshouse.com](mailto:office@pardeshouse.com)

בס"ד

Founding Principal:  
**Rabbi E Halpern** זצ"ל

Menahel:  
**Rebbe S Roitenberg** שליט"א

Headteacher:  
**Mr J Sager** MA B.Ed NPQH FCCT

### Topic Medium-Term Planning Document

<b>Topic: Mechanics</b>	<b>Year group: 2</b>	<b>Term: Spring 2</b>
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<b>Key aims of topic</b>	<b>Curiosity being stimulated</b>	<b>Big thinking question</b>	<b>Other key questions being investigated</b>
To introduce significant people that have made an impact with inventions.	Using the pupil's interests to enhance the planning from the story. Specifically looking at how things were invented. Eg: Alexander Graham Bell James Watt	If I was an inventor I would... I would use... I would plan... My invention would... A problem might be..	How do things work? How do things move? Why should I plan first? How does an idea become an invention?
<b>Key words defined/investigated</b>	<b>Texts, Books and Stories</b>	<b>Topic-rich vocabulary</b>	<b>Writing skills and opportunities</b>
Mechanics Engineer Invent Inventors Investigation	Rosie Revere Engineer <u>Read it and reap:</u> Related topic books	Mechanics Engineer Invent Inventors Chuckle Dismayed Prototype Flop Gizmo Gadget Success perplexed	Sats papers Possessive apostrophe Re- writing stories Homophones Suffixes If I was an inventor I would ...
<b>Maths skills</b>	<b>Skills linked to</b>	<b>Emotional Literacy, PSHE</b>	<b>Art and DT skills</b>



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	Foundation subjects		
SATs practice Times tables Partitioning using addition and subtraction. Fractions Division	Linked to humanities Looking at significant people. Making observations and recording observations.	Respecting other people's thoughts and ideas. Perseverance with new ideas/ adapting ideas.	Using clay to plan and make an invention. Linked to literacy.
Visitor and trip opportunities	Active Learning opportunities	British Values link	Social responsibility
London transport museum TBC	Spaghetti and blu tack challenge Paper and sellotape teamwork challenge.	Alexander Graham Bell- Scottish James Watt- Scottish	How does climate change effect future inventions? How do we need to protect our environment?
National / International events links	Other (including any other skills being developed that can impact pupils in the short term and for their long-term future)	What do the boys already know?	
		This is a new topic for the boys.	

## The Quality of Education

When we are considering our planning for the specific topic and indeed other areas of the curriculum, it is important to bear in mind that if we want the children to have long-term retention of learning, this will be impacted by:



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- Clarity of intent
- Precise end points
- Rationale of what is being planned
- Knowledge, understanding and skills gained

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