

Unit Planner: Can We Create the Next Winning Product??

Year 2 - 6 Weeks

Key Concepts: Citizenship, Sustainability, Leadership	Intent: To create an innovative Dragon's Den product which incorporates a problem and a solution.			
National Curriculum Statements (Target Tracker)	Starter: Assembly from MoBros.			
Pupils will be taught to – <u>Science</u> Ask simple questions and recognise that they can be answered in different ways including use of scientific language from the national curriculum. Communicate his/her ideas, what he/she does and what he/she finds out in a variety of ways. Use his/her observations and ideas to suggest answers to questions noticing similarities, differences and patterns. <u>PHSE</u> Recognise what improves and harms their local, natural and built environments and develop strategies and skills needed to care for these (including conserving energy). <u>Computing</u> Recognise common uses of information technology beyond school Use technology purposefully to create, organise, store, manipulate and retrieve digital content. Use technology purposefully to create digital content comparing the benefits of different programs. Use technology safely and keep personal information private. <u>DT</u> Design purposeful, functional, appealing products for himself/herself and other users based on design criteria. Generate, develop, model and communicate his/her ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology. Choose appropriate tools, equipment, techniques and materials from a wide range. Safely measure, mark out, cut and shape materials and components using a range of tools. Evaluate and assess existing products and those that he/she has made using a design criteria.	Subject: Science Can I understand what an inventor is? Can I evaluate the inspiration behind an inventive product? - John Dunlop (Scientist) Can I identify a problem across school/globally and invent a product? PHSE link	Key Vocabulary: Inspiration, Consumer, Enterprise, Profit, Loss, Pricing, Margin, Customers, Interest		
	Subject: DT Can I understand the process of designing a product? Can I design a product? Can I evaluate a product? Can I construct prototypes of my product? Can I use appropriate materials for my product?	Improve, Assemble, Criteria, Template, Attach, User, Mixing, Mosaic, Natural, Man-made, Experiment, Scale, Proportion		
	Subject: Computing Can I create a poster for staying safe online? Can I use technology purposefully to create, organise, save, edit and open digital content? Can I explain why personal information should be kept private? Can I use a variety of ICT sources for research?	Information, Technology, Create, Digital, Content, Internet, E-Safety, Online, Apps, Programs, Predict, Devices, Algorithm, Save, Edit, Personal Information, Organise, Open, Comparison, Execute		
	Text types: <ul style="list-style-type: none"> • Persuasive Advert • Script Writing • Instructions 	Literature: <ul style="list-style-type: none"> • Books Linked to Inventors 	Maths links: <ul style="list-style-type: none"> • Data Handling • Money - costing, profit, loss 	Published Outcomes: <ul style="list-style-type: none"> • Dragons Den Business Plan
	Enrichment: Dragon's Den Pitch			