



BISHOP LONSDALE CHURCH OF ENGLAND PRIMARY SCHOOL AND NURSERY

BECOMING INDEPENDENT SUCCESSFUL HONEST OPEN-MINDED PEOPLE

Year 5 Medium Term Plan

Week	Science	History	Geography	RE	DT
National Curriculum	Forces and mechanisms Pupils learn to: <ul style="list-style-type: none">• explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object• identify the effects of air resistance, water resistance and friction, that act between moving surfaces• recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.	Dynamic Dynasties: The Shang Dynasty of ancient China Pupils learn about: <ul style="list-style-type: none">• Archaeological digs• Key information about ancient China• The famous dig at Yin Xu of Fu Hao's tomb• Primary and secondary sources of historical evidence• Oracle bones• Religious beliefs of the Shang Dynasty• Significance of bronze, jade & silk.	Investigating Our World Pupils learn about: <ul style="list-style-type: none">• Using Ordnance Survey maps• Contour lines• Exploring map grid squares• Relative locations and distances• Transport networks• Settlement hierarchy.	Derbyshire Agreed Syllabus Unit 2.4: If God is everywhere, why go to a place of worship? Pupils learn to: <ul style="list-style-type: none">• Recall and name some key features of places of worship studied• Outline how and why places of worship fulfil special functions in the lives of believers• Present ideas about the importance of people in a place of worship, rather than the place itself• Give examples of how places of worship support believers in difficult times, explaining why this matters• Make connections between how believers feel about places of worship in different traditions.	Moving Mechanisms Pupils learn to: <ul style="list-style-type: none">• Understand the uses of pneumatic mechanisms• Investigate simple pneumatic systems• Build a simple framework to support a pneumatic system• Make a pneumatic lifting machine• Design a pneumatic machine• Make a prototype of their pneumatic machine• Evaluate the effectiveness of their prototype design.



Week 1	<p>See-Through Science pre-assessment task.</p> <p>Introductory knowledge: Contact & non-contact forces.</p>	<p>Memorable activity: archaeological dig</p> <p>Introductory knowledge: Key information about ancient China</p>	<p>Engage Lesson 1: Using Ordnance Survey maps</p>	<p>Discuss and respond: <i>If God is everywhere, why go to a place of worship?</i></p> <p>Lesson 1: Explain the purpose of places of worship.</p>	<p>Engage: Exploring pneumatics</p>
Week 2	<p>Engage Lesson 1: Gravity & discoveries of scientists</p> <p>Engage Lesson 3: Mass & weight</p>	<p>Engage Lesson 1: Dig at Yin Xu – using primary sources to make inferences.</p>	<p>Engage Lesson 2: Contour lines</p>	<p>Lesson 2: Describe how and where Sikhs worship.</p>	<p>Develop Lesson 1: Investigating pneumatics</p>
Week 3	<p>Develop 1 Lesson 2: Air resistance investigation</p> <p>Develop 2 Lesson 1: Levers</p>	<p>Engage Lesson 1: Dig at Yin Xu – using secondary sources to retrieve information.</p>	<p>Engage Lesson 3: Exploring map grid squares</p>	<p>Lesson 3: Describe how and where Jews worship.</p>	<p>Develop Lesson 2: Making a pneumatic machine</p>
Week 4	<p>Develop 1 Lesson 1: Friction investigation</p> <p>Develop 2 Lesson 2: Pulleys</p>	<p>Engage Lesson 2: Oracle bones</p>	<p>Develop 2 Lesson 1: Relative locations and distances</p>	<p>Lesson 4: Understand how and why Christians try to embody Jesus in their actions.</p>	<p>Innovate Lesson 1: Designing a pneumatic prototype</p>
Week 5	<p>Develop 1 Lesson 3: Water resistance investigation</p> <p>Develop 2 Lesson 3: Gears</p>	<p>Engage Lesson 3: Religion in the Shang Dynasty</p>	<p>Develop 2 Lesson 2: Transport networks</p>	<p>Lesson 5: Explore and compare different kinds of worship of different faiths.</p>	<p>Innovate Lesson 2: Making a pneumatic prototype (1 of 2)</p>



Week 6	Innovate Working scientifically: plan and carry out their own investigation about forces.	Engage Lesson 4: Significance of bronze, jade & silk (1 of 2)	Develop 2 Lesson 3 Settlement hierarchy	Lesson 6: Explain what places of worship are for.	Innovate Lesson 2: Making a pneumatic prototype (2 of 2)
Week 7	See-Through Science post-assessment task.	Engage Lesson 5: Significance of bronze, jade & silk (2 of 2)	Innovate: Local settlement classification enquiry	Review and respond: <i>If God is everywhere, why go to a place of worship?</i>	Express: Evaluation