

Activity Number 1 National Curriculum Information – KS2

Activity	Objective	Key Skills	National Curriculum Links
Magnets	The group will recreate Darwin's invention of an artificial spider which appears to move by itself.	Communication Teamwork	Science – Physics – the children will gain knowledge, skills and understanding by <ul style="list-style-type: none"> • Learning about the materials and their properties, and how the working characteristics of materials affect the ways they are used. • Following appropriate Health and Safety procedures. • Using the appropriate language and terms to communicate ideas and to explain them when presenting to a group.
Fossils	The group will 'excavate' a series of fossils and then identify them, placing them in evolutionary order.		Science – the children will gain knowledge, skills and understanding by <ul style="list-style-type: none"> • Learning how fossils are made and which animals they came from. • Learning about the purpose of archaeology through excavation. • Selecting appropriate tools and techniques for the job. • Following appropriate Health and Safety procedures. • Using the appropriate language and terms to communicate ideas and to explain them when presenting to a group.
Optics	The group will construct different kinds of microscopes from different parts, in order to determine which will be the most effective.		Design & Technology – the children will gain knowledge, skills and understanding by <ul style="list-style-type: none"> • Generating, developing and explaining ideas taking into account what they will be used for. • Selecting appropriate tools, techniques and materials for the object. • Evaluate effectiveness of finished product in relation to its intended purpose and identify any improvements that could be made. • Following appropriate Health and Safety procedures. • Using the appropriate language and terms to communicate ideas and to explain them when presenting to a group. Science – the children will gain knowledge, skills and understanding by <ul style="list-style-type: none"> • Learning the different properties of microscopes and kaleidoscopes and utilising them to the best advantage. • Using the appropriate language and terms to communicate ideas and to explain them when presenting to a group.

Anatomical Dissection	Using a mock body the group will recreate a public dissection exploring human anatomy.		<p>Science – Biology – the children will gain knowledge, skills and understanding by</p> <ul style="list-style-type: none">• Learning about the anatomy of the body and its different systems.• Using the appropriate language and terms to communicate ideas and to explain them when presenting to a group. <p>History – the children will gain knowledge, skills and understanding by</p> <ul style="list-style-type: none">• Learning about medical history and how general practice has changed since the 18th Century.• Learning about how the work of Darwin affected Lichfield and what he contributed to the Industrial Revolution.
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Activity Number 2 National Curriculum Information – KS2

Activity	Objective	Key Skills	National Curriculum Links
Costume Activity	To make a fan (girls) and a hat (boys) and to learn how to use each with a historical understanding of the object.	Communication Teamwork Citizenship	<p>Design and Technology – The pupils will gain knowledge, skills and understanding by</p> <ul style="list-style-type: none"> • Generating ideas through designing and planning them, taking into account who will use them and what they will be used for. • Communicating their ideas as these develop. • Selecting appropriate tools, techniques and materials for the object. • Measuring, marking out, cutting and shaping of materials in order to assemble them in the most suitable way. • Evaluate effectiveness of finished product in relation to its intended purpose and identify any improvements that could be made. • Following appropriate Health and Safety procedures. <p>History – The pupils will gain knowledge, skills and understanding by</p> <ul style="list-style-type: none"> • Learning about characteristic features of the period and society, including ideas, beliefs, attitudes and experiences. • Learning about the social and cultural diversity of the society. • Having first-hand experience through visiting the house.
Herbal Medicine Activity	To learn and make the appropriate herbal remedies for a variety of common ailments, bringing in elements of the Herb Garden and dissection activity with relation to 18 th century practice.		<p>Science – Biology – The pupils will gain knowledge, skills and understanding by</p> <ul style="list-style-type: none"> • Learning about health and the implications and effects of diet and exercise. • Learning how natural remedies are used in medicine. • Making their own preparations to cure a list of various ailments. • Following appropriate Health and Safety procedures.
Calligraphy Activity	To learn how to write using the appropriate vocabulary and materials of the time.		<p>History – The pupils will gain knowledge, skills and understanding by</p> <ul style="list-style-type: none"> • Learning about historical differences in the past in relation to the alphabet, vocabulary, writing styles and techniques used. • Experimenting with materials used. • Following appropriate Health and Safety procedures.