

## Foundation subject lesson – Computing

**Year Group:** Year Four

**Question:** How can I become a director?

<p><b>Learning objectives:</b></p> <ul style="list-style-type: none"> <li>To develop camera skills and manipulation.</li> <li>To practise simple photography skills and editing techniques.</li> <li>To use green screen and backgrounds to record and edit a news report.</li> </ul>	<p><b>Key resources/stimuli</b></p> <p>ELT Computing curriculum (and linked resources)          Web-based resources          iPads          laptops          Rising Stars computing</p>
<p><b>Key vocabulary</b></p> <p>edit          perspective          contrast          brightness          iMovie          photos          saturation          editing          scenes          stop-motion</p>	<p><b>Key knowledge</b></p> <p>Perspective requires using images within the foreground and background to create alternative sizing effects. Using the edit function within the 'photos' app, backgrounds, hues and contrast can be altered to create specific effects/moods. Through using a green screen any image can be projected onto it so that it gives the appearance that you are somewhere else.</p>

**Lesson 1** – To create perspective photography.

Examples of images given showing perspective. How has this been achieved? Children to use Apple Clips and the photo app to create perspective photography in the playground.

### Information Technology



**Lesson 4** – To develop a short sequence using stop-motion animation.

Using created sculptures, plasticine and small props, the children are to add stop-motion animation to their short film. To record a sequence of at least 10 seconds.

**Lesson 2** – To use pictures to create a trailer.

Creation of a news report/holiday guide from a European capital. Begin by searching for and finding key images – what is it that you wish to show? Children to begin by sequencing 4 images together to create a short film.

**Lesson 5** – To use green screen within a short film.

Using a famous and recognisable backdrop, the children are to add green screen into their short film and explore the ways green screen is used within film and TV.

**Lesson 3** – To create a short film.

Children to focus on adding sound, sound effects and text within iMovie to enhance the images that they have found.

Year Four			
	E-safety	Computing & Digital Literacy	Coding
Expected	<p>The child can demonstrate that they can act responsibly when using computers.</p> <p>The child can understand the difference between acceptable and unacceptable behaviours when using digital technology.</p> <p>Know who to talk to about concerns and inappropriate behaviour at home or in school.</p> <p>The child can decide whether digital content is relevant for a given purpose or question.</p>	<p><b>The child can use and combine a range of programs on a computer</b></p> <p><b>The child can design and create content on a computer in response to a given goal.</b></p> <p><b>The child can collect and present data.</b></p> <p><b>The child can use a standard search engine to find information.</b></p> <p>The child can understand that search engines rank pages according to relevance.</p>	<p>The child can design and write a program using a block language to a given brief, including simple interaction.</p> <p>The child can work with others to plan a project.</p> <p>The child can use sequence and repetition in programs.</p> <p>The child can write a program that accepts keyboard input and produces on-screen output.</p> <p>The child can explain an algorithm using sequence and repetition in their own words.</p> <p>The child can use logical reasoning to detect and correct errors in programs</p>
Exceeding	<p>The child can demonstrate that they can act responsibly when using the internet.</p>	<p><b>The child can use and combine a range of programs on multiple devices.</b></p> <p><b>The child can design and create content on a computer in response to a given goal.</b></p>	<p>The child can design, write and debug a program using a block language to a given brief, including simple interaction.</p>

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<p>The child can discuss the consequences of particular behaviours when using digital technology.</p> <p>Know how to report concerns and inappropriate behaviour in a range of contexts.</p> <p>The child can decide whether digital</p>	<p><b>paying attention to the needs of a known audience.</b></p> <p><b>The child can collect, analyse and present data.</b></p> <p>The child can use filters to make more effective use of a standard search engine.</p>	<p>The child can work collaboratively to complete a project according to an agreed plan</p> <p>The child can use sequence, selection and repetition in programs.</p> <p>The child can write a program that accepts keyboard or other input and</p>
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