

# KS2 Computing Lesson Plan



Cover National Curriculum objectives for Computing with this exciting photography-focused lesson for KS2 pupils all about Copyright and Intellectual Property (IP).

<b>Lesson name</b>	Pictures, Pictures Everywhere!	<b>Topic/subject</b>	Computing
<b>National curriculum learning objectives</b>			
<ul style="list-style-type: none"> <li>To be responsible, competent, confident and creative users of information and communication technology</li> <li>To use technology purposefully to create, organise, store, manipulate and retrieve digital content</li> <li>To recognise common uses of information technology beyond school</li> </ul>			
<b>Skills development</b>			
<ul style="list-style-type: none"> <li>Understanding of copyright and Intellectual Property surrounding image use</li> <li>Competency in using video recording software</li> </ul>			
<b>Resources needed</b>			
<ul style="list-style-type: none"> <li>Whose photo is this? Lesson Presentation</li> <li>You will want access to laptops or iPads with an internet connection and the ability to screen-record</li> <li>Access to a printer to print out selected images</li> <li>Any other items to add to your class display, such as posters, text, labels, captions, keywords, and questions</li> <li>Copyright and Intellectual Property Crossword (home learning activity)</li> </ul>			
<b>Key vocabulary</b>			
search engine, image bank, Intellectual Property (IP), copyright, permission, individual, photography, photographer, illustrator, artist, check, writing, artwork			
<b>Prior learning</b>			
<p>This lesson will connect to your current class topic, as this becomes the focal point for finding an image. The lesson assumes children will have a basic knowledge of the topic and have an awareness of key vocabulary to use in image searching (for example, if your current topic is the Egyptians, children will know to search terms like 'pharaoh' and 'Sphinx').</p> <p>Pupils will have some understanding of finding images for school projects or homework - this may be utilising image banks or search engine image searches.</p>			

Time	Teacher Activity	Key Questions
10 mins	<p>Introduce the <b>Lesson Presentation</b> and explain that today we are learning all about pictures - photographs, paintings and illustrations - and who owns them.</p> <p>Ask children to split into pairs or threes. Ask them to spot three different places in their classroom where they can see pictures. What kind of picture are they, and how are they used? <b>(Slide 1-2)</b>.</p> <p>Slide 3: Introduce the concept of copyright and Intellectual Property (IP) using the text on the slide. Then show children the video exploring what copyright means for using images from the internet in our work:  <a href="https://www.youtube.com/watch?v=ctv-8PdJy0M">https://www.youtube.com/watch?v=ctv-8PdJy0M</a></p>	<p>Where do you see images in your day-to-day life?</p> <p>Who owns an image?</p> <p>What is copyright?</p> <p>What is Intellectual Property?</p> <p>What do we need to do, to check copyright?</p>

Time	Teacher Activity	Key Questions
25 mins	<p><b>Slides 5-6:</b>                      Explain that for our class topic display, (or other display) we need to find some images using the internet using a search engine like Google. Now we know about copyright, we need to think carefully about how we find images, and how we ensure that we respect copyright.</p> <p>Remind children of how to effectively use Google Search functions (00:35 in the video). Remind them that they must:</p> <ul style="list-style-type: none"> <li>• Use search platforms correctly</li> <li>• Check the copyright laws surrounding the image</li> <li>• Always credit the owner by adding the name and date the image was created</li> </ul> <p>Show children alternative royalty-free search options like <a href="#">Pixabay</a>. Explain that this website has something called a 'Creative Commons' license where copyright owners have agreed that anyone can use their image for free.</p> <p>Give children a chance to find an image in their pairs to practice. Go around while they do so to check children understand how to do this. Tell children to add their chosen images to a word document for saving and printing later.</p>	<p>What is our class topic?</p> <p>How do we properly search for an image to use in our school display?</p> <p>What websites can we use?</p> <p>What settings do we need to include in our website to ensure we are searching for images properly?</p> <p>What is a Creative Commons license?</p>
25 mins	<p><b>Slide 7:</b>                      Now children are familiar with the methods of finding an image, it's time to show other children how it is done!</p> <p>Show children how to use the screen record function on their laptops. Then send them in pairs or threes to record themselves finding 3 images on your chosen class topic.</p> <p>Ask children to save their videos for use at a later date.</p> <p><b>Slide 8:</b>                      Bring children back as a group and return to key questions on the slide, assessing understanding.</p> <p>If time allows, a fun way to end the lesson is to share the <a href="#">monkey selfie copyright dispute</a> story with the class. Celebes crested macaques took selfies with equipment belonging to British wildlife photographer David J. Slater. The images were then published in newspapers and shared online, but the photographer Slater argued he should hold the copyright to the photos. The United States Copyright Office stated that works created by a non-human (such as an animal) are not copyrightable and are available for the public to use. Ask pupils what they think about this and whether it seems fair.</p>	<p>How do we show other children how to find an image and check copyright?</p> <p>How do we use screen recordings to create explanation videos?</p>

## Teacher Notes

What learning took place?

Did children use the technology appropriately for the learning objectives?

Which aspects of this lesson went well?

Which aspects could be improved upon?

Actions for the future

### Assessment opportunities

- Are pupils able to articulate what copyright and IP are?
- Are pupils able to explain the best ways to find images free from copyright?
- Are pupils able to download, store and print relevant images for the class display?
- Are pupils able to use video recording software with confidence?

### Suggestions for future learning

- Extend learning around intellectual property by encouraging children to draw or paint their own images for the display, labelling them with their names and the date.
- Make cross-curricular links to other lessons by looking at your other classroom displays - who owns the copyright to these images? Can we source where they are from? For example, has the school used an online resource bank for display banners, images or posters? Do they pay a subscription which gives them access to print and reuse the resources?
- Children could visit younger classrooms to show off their screen recordings, 'teaching' younger children how to assess for copyright and Intellectual Property. This may work best with children on the older end of KS1 (Year 2) or younger KS2 classes. Explanations will require verbal support from older children and an appropriate adult as it is unlikely KS1 children will have the reading ability to effectively navigate copyright rules on websites.

### Home learning opportunities

- Pupils could create a poster at home covering the class topic, including image sources from open-source image libraries or images without copyright.
- Children could access Loom on a personal account at home and create more 'how to' videos that interest them.
- Children could complete the **Computing Crossword** with key terms from today's lesson.