

4-H PHOTOGRAPHY TIP SHEET

FINDING YOUR PHOTO'S METADATA

Each Illinois 4-H Photography exhibit must include the following metadata for your photos. This tip sheet helps you find this information.

Providing Metadata for your photo exhibit

Each photo you exhibit should be accompanied by the following metadata:

- Date/Timestamp of photo
- Camera make/model used
- Aperture
- Focal length
- Flash used (yes or no)
- ISO
- Exposure Time

By default every digital photo taken on any device contains additional data called “**metadata**” or **EXIF** data. This data is useful for seeing information about a picture: shutter speed, aperture, exposure time, time taken, geolocation—the list goes on and on.

View EXIF Metadata on Windows

The most convenient way to view metadata for digital photos is to use a PC or Mac. After you've transferred your photos to a PC, to view EXIF metadata you can simply right click on the image and select **Properties** and then click the **Details** tab.

In OS X, you can technically right-click on an image and choose **Get Info** to see some metadata about a picture.

The image displays two screenshots of photo metadata windows. The left screenshot shows a Mac OS X 'Get Info' window for a JPEG image. The 'More Info' section is circled in yellow and contains the following data: Dimensions: 4320 x 3240, Device make: SONY, Device model: DSC-W330, Color space: RGB, Color profile: sRGB IEC61966-2.1, Focal length: 9.45, Alpha channel: No, Red eye: No, F number: 4, Exposure program: 2, Exposure time: 1/13. The right screenshot shows a Windows 'Properties' window with the 'Details' tab selected. The 'Image' and 'Camera' sections are circled in yellow. The 'Image' section lists: Image ID, Dimensions: 4320 x 3240, Width: 4320 pixels, Height: 3240 pixels, Horizontal resolution: 72 dpi, Vertical resolution: 72 dpi, Bit depth: 24, Compression, Resolution unit: 2, Color representation: sRGB, Compressed bits/pixel: 3. The 'Camera' section lists: Camera maker: SONY, Camera model: DSC-W330, F-stop: f/4, Exposure time: 1/13 sec., ISO speed: ISO-1600. A link at the bottom reads 'Remove Properties and Personal Information'.

View Metadata on Android or iPhone

Another way to view photo metadata is directly from your phone.

For iPhone users will need to use a free app called **The photo Investigator** available in the AppStore. Once you authorize the app to access all your photos, you will see a list of all your albums. Then you can select a photo from an album to view its metadata.

For Android users you can simply navigate to your photo gallery, then while viewing a single photo click **Details** menu option.

