

Standard: DA.S.01 Grade: 2

Standard 2.DA.S.01

Create, copy, manipulate, and delete a file on a computing device. Identify the information stored as **data**.

Essential Skills

Create, copy, revise and delete files on a **computing device**.

Identify various types of information stored on a computer as **data**.

Essential Questions

What are different types of **data** that can be used and stored on a **computing device**?

How can you create, change, and delete different types of files on a computing device?

Explanation

Students will recognize that all information stored and processed by a **computing device** is referred to as data. **Data** can take many forms: images, text documents, audio files, **software applications**, video files, etc.. By second grade, students will be able to find files on a computer in order to locate data, as well as create, save, copy and delete the files.

Think of this as similar to....

There are different kinds of clothes in a dresser. There may be socks, pajamas, shirts and more.

Implementation Examples—What would this look like in the classroom?

Title	Description	Link	Content Connection & Notes
Storage and Selfies	<p>Grade K- Students take selfies with a computing device, Students will realize that the selfies are stored on that device. Students love selfies! Contrast that with actual pictures that the students draw or color. Brainstorm ways that those pictures can be stored on a computing device (e.g., taking a photo of it)</p> <p>Grade 1--Students take and save selfies on a computing device and once stored, they locate the photos in the storage of the device possibly for use with another project.</p> <p>Grade 2--Students prune selfies (delete poor ones). Make copies of the ones they like best and crop or otherwise alter them in different ways possibly for a project. Write or record a short description of their favorite selfie. Students should understand that an image file, a text file and an audio file are all data stored on a computing device.</p>	Storage and Selfies	
File It!	<p>Grade 1--Students write a story or other assignment using a computing device, storing it locally. They return at another time to find the file for revision.</p> <p>Grade 2--Students store the story on the device or remotely (e.g., in the cloud). They make a copy of their story for peer and/or teacher revision and editing. Revise the assignment according to suggestions and when the final copy of the story is complete, students delete any unnecessary files. They can do this with any type of file—can be text document, audio, presentation-- or a combination of files such as inserting pictures into a text or presentation file.</p>		This lesson also aligns with ELA W1.6, W2.5, W2.6; possibly W1.3, W2.3; and, depending on content, can be aligned with NGSS 2-PS 1-4; 2 ESS 1-1; or various SS standards

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