CLOUD COMPUTING

WHAT IS THE CLOUD?

The cloud is simply a place to store information and data, so we don't have to rely on our computers or devices to store that information. The cloud has big benefits for teachers, parents and children. For example, our school's learning management system (LMS) allows us to access all of the student data from our computers, smartphones and tablets. It can help kids stay organized and keep track of their schoolwork.

TYPES OF CLOUD COMPUTING

There are three types of cloud computing: Public Cloud, Private Cloud, and Hybrid Cloud.

- **Public Cloud -** In this cloud, any person can get the information that has been put in the cloud. The Google Docs is an example of a public cloud. .
- **Private Cloud** – In this cloud, only persons who use this cloud can have access to that information because it is private. One example is a private hospital that has medical records for patients' identities and medical records. The information is private.
- **Hybrid Cloud** – The hybrid cloud is type is a combination of public and private access. Some of the information in this cloud has information that is private and other information that the public can have access to. The L.M.S. is a good example of a hybrid cloud.

HOW KIDS CAN USE CLOUD COMPUTING

Kids can start using cloud computing in a number of ways. For example, they can use cloud tools like Google Docs to create and share documents with classmates or family members. They can also use social media platforms like Facebook and Instagram to stay connected with friends and family. Kids can use cloud-based storage solutions like iCloud or Dropbox to store photos, videos, and other files online.

WHAT ARE THE BENEFITS OF CLOUD COMPUTING?

Cloud computing makes it easy for websites to grow. If a website has a lot of visitors suddenly, the server would crash and the website would be down. Now with cloud computing, if your computer (like a laptop or smartphone) crashes and erases information like your pictures, files, etc you can go to the cloud and find all that information that was on your laptop or phone. Also it protects big online companies like Amazon, Google, or Microsoft to store lots of information on their websites without crashing.

CLOUD COMPUTING SAFETY FOR KIDS

To help keep you safe while using cloud only use trusted services. Make sure to only use cloud services that you or another adult have approved. This will help you avoid accidentally sharing personal information like your name, age, home address or downloading malware.

Drag your answers on the lines.

1. What is the cloud?

The cloud is simply a place to store information.

The computer cloud is in the sky and holds water.

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2. Drag the three types of cloud computing. Give an example of each type.

Private   Web browsers   Public   Search Engines   Hybrid

Type: _____   Type: _____   Type: _____

3. Drag an example of each type of cloud.

Medical records   Google docs   LMS

Public cloud: _____

Private cloud: _____

Hybrid cloud: _____

4. Which is not a way for kids to use cloud computing?

Make sure to only use cloud services that you or another adult have approved.
It does not share personal information like your name, age, or address.
It pays you money when you use your credit card.

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5. What is a benefit to cloud computing for websites?

It helps them to save money to go on a vacation.
It allows big businesses to have a lot of information that won't crash and be erased.
It helps you get dressed and drops you to your school.

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6. What can kids do to make cloud computing safe?

Make sure that anyone can get the information in your cloud easily.
Make sure that you turn off the cloud when you are in a plane.
Make sure that an adult gives you permission to put information on the cloud.

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