Information

A digital system refers to digital hardware and software working together to transform data into digital solutions. The hardware interacts with the software to help perform a task. This task could be using a word processing program (software) to create a written document. Once the hardware and software are connected, the digital system forms a network. The engine in your car and the petrol work together to get you moving. Just like a car, all parts of a digital system are vital to perform it's task.

No longer do we use the word *computer* because we have a range of products that fall out of that category such as phone, mobile devices, interactive whiteboards. The term digital system covers all the different digital products that are available.

Digital systems are created with a purpose. The purpose will help us complete a task that would otherwise too difficult or would not allow us to perform.

Curriculum Expectation

Students will look at systems in relation to personal needs, school needs and the community needs. This allows users to evaluate the purpose of the system in relation to their needs and the needs that are met from a local, community perspective.

Video Resource

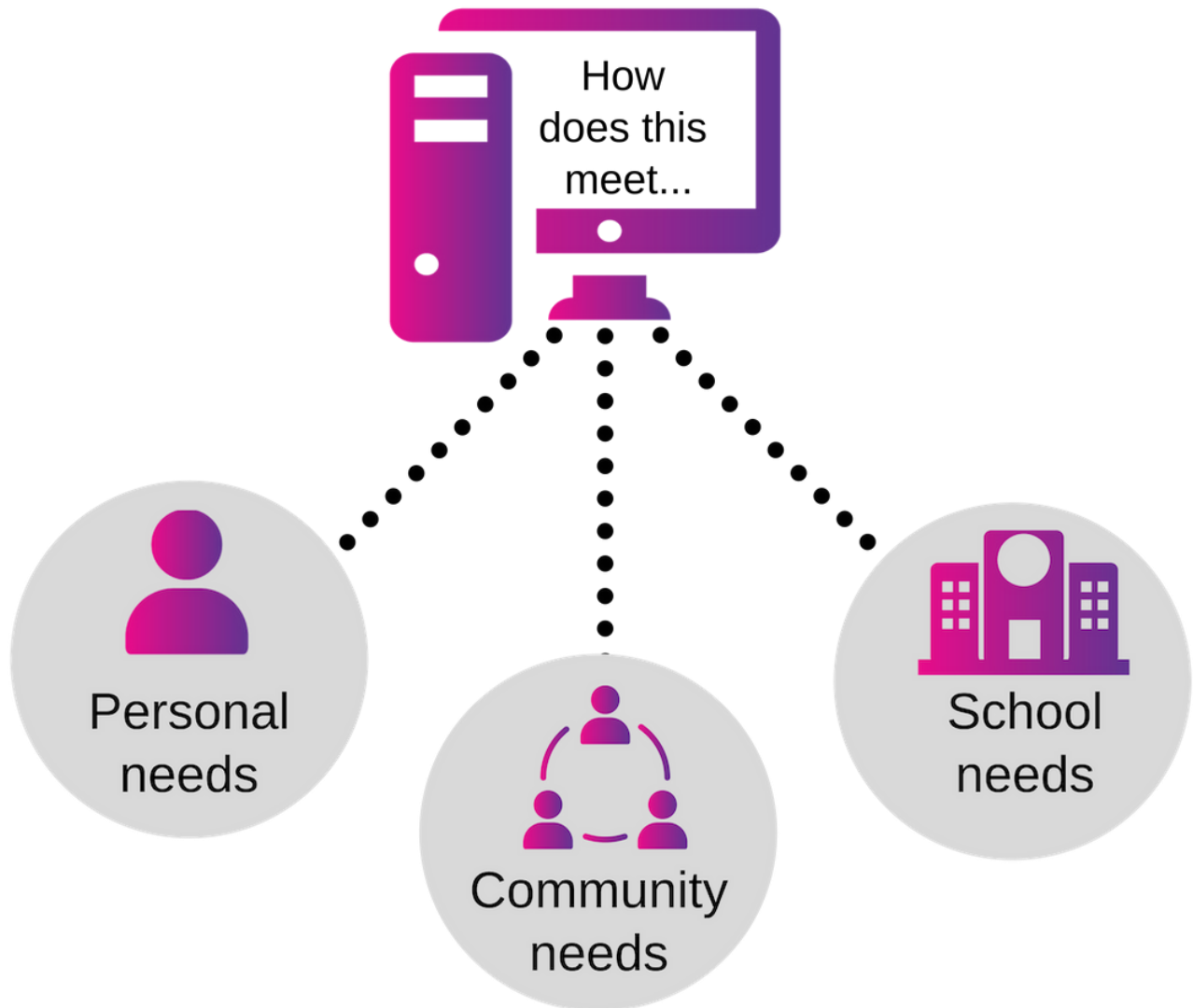*Click on the image to open the video*
This video examines the digital systems that are common to our lives and the common features that are needed to complete a task.

Video Source: Computer Science Education Research (CSER)

INFORMATION SYSTEMS

Meeting needs through information systems

How does this meet...

Personal needs

Community needs

School needs

Investigate how information systems meet the needs of personal, school and community needs.