Linux

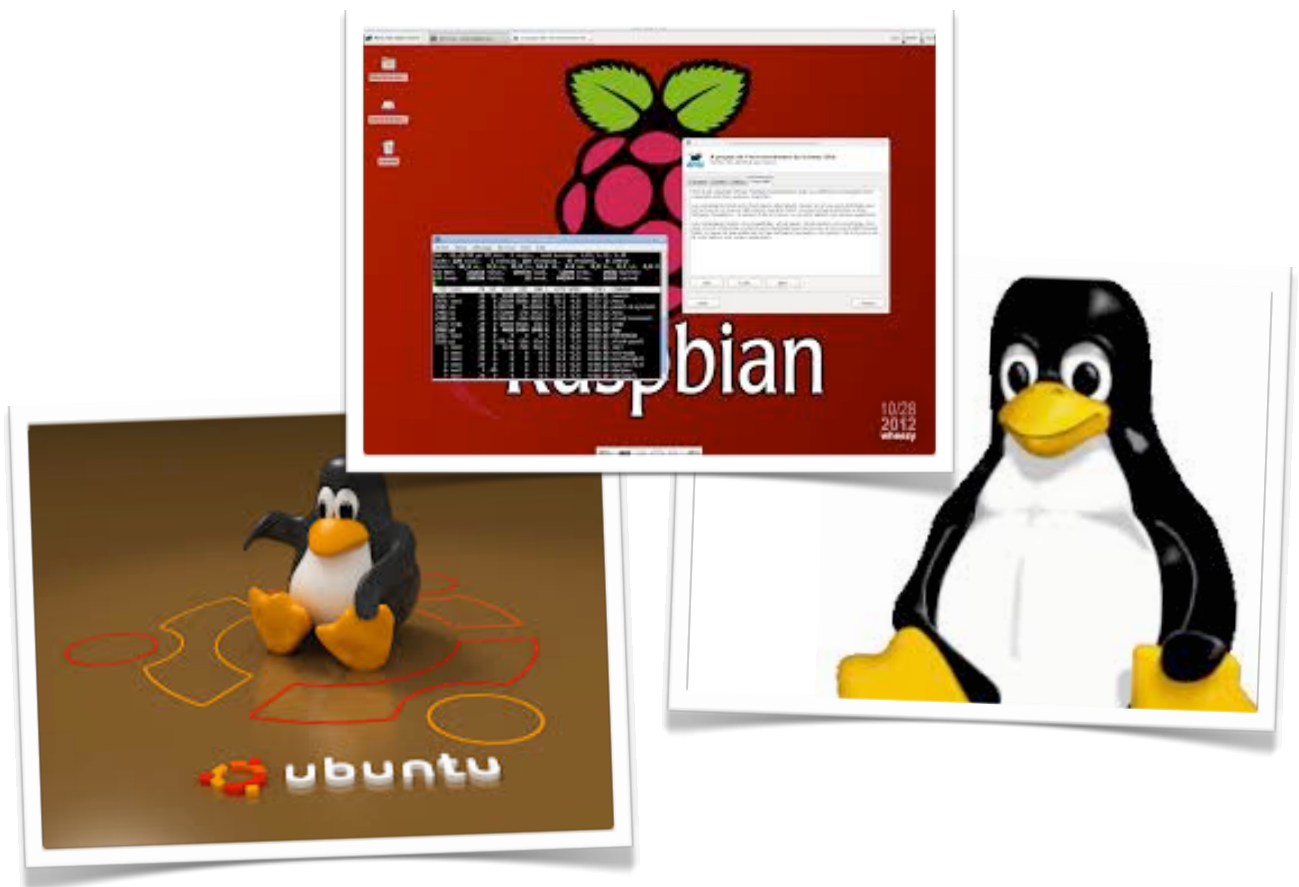## and the command line

A Master Teacher CPD Session
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Software

What are the 3 main functions of an operating system?		

	Proprietary	Open - Source
Description		
Advantages		
Disadvantages		

Essential Commands

File Management

Command	Example	Comments
pwd	pwd	
mkdir	mkdir newFolder	
cd	cd newFolder cd .. cd ~	
touch	touch test.txt	
cp	cp test.txt newTest.txt cp test.txt ../test.txt	
mv		
rm		
rmdir		

Essential Commands

Creating / editing files

Command	Example	Comments
echo		
> (redirect)		
cat		
>> (append)		
nano		
vi		
| (pipe)		
grep		

Essential Commands

Managing software packages

Command	Example	Comments
apt-get update		
apt-get install		
apt-cache search		
apt-get remove		

What is the meaning of the 'sudo' command?

Why is it better / worse than not having the sudo command?

What advantages are there to managing files using the command line?

Why is it better How can Linux be used to support the computing curriculum?

Why is it better What are the major difficulties to overcome in using Linux in school?

How might the most able students be stretched using Linux?