Using the Terminal

Model A | Getting Started with Terminus

Do these questions as you play Terminus. If you don't know the answer, talk with your group -- you might just need to play a little more!

1. Which **terminal** command(s) allow you to:
   - i. Figure out your current location?
   - ii. Move to a different location?
   - iii. See the contents of a file?
2. Draw a map of the `Western Forest`. You can use paper or the whiteboard!
3. What is the `path`:
   - i. from `WesternForest` to `Lessons`
   - ii. from `SpellcastingAcademy` to `StataCenter`
4. Define the **syntax** for a terminal command. Explain.
5. What do the following terminal commands do?
   - i. `pwd`
   - ii. `mv`
   - iii. `man`
6. What do `..` and `.` represent?
7. Is there a difference between the commands `cd ..` and `cd .`?
8. What does `cd ../../..` do?
9. How do you backtrack 2 levels?

STOP HERE! Presenters should check in with the teacher.

Model B | Deeper Dive

Your group should get past the `Portal` in Terminus before doing these questions. You are encouraged to search online for answers!

1. What is the difference between a **file** and a **directory (folder)**?
2. How do you move to a **sibling** folder? What about a **parent** folder?
3. How do you figure out what a terminal command does?
4. How do you rename a file?
5. What does it mean if a path starts with a `/`? What if a path doesn't start with a `/`?

6. What do these commands do?
   i. `mv bigFile.dat ../BigStorage/BigDrawer`
   ii. `rm /mnt/d/garbage.can`
   iii. `cat ../../secretFile.key`
   iv. `cp ../../glue.glu crafts/paper`
7. What are paths used for in a terminal command?

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Model C | Your Own Terminal

If you are using Windows, open the Windows Terminal app. If you are using Mac, open the Terminal app.

1. Try using the commands you learned from Terminus to navigate through your own folders. What directory do you start in when you first open terminal?
2. Run the commands `cd ~` and then `mkdir sandbox`. What happens?
3. `cd sandbox` before trying the following commands:
   i. `man`
   ii. `pwd`
   iii. `ls`
   iv. `cd`
   v. `mkdir`
   vi. `touch`
   vii. `cat`
   viii. `mv`
   ix. `cp`
   x. `rm`
   xi. `rmdir`
   xii. `echo`

WARNING: ONLY USE THESE COMMANDS ON FILES AND FOLDERS INSIDE YOUR SANDBOX FOLDER!