Objective: Students will improve their command line literacy. After finishing the learning activities, students will be able to relate CLI scenarios to their own experience.

Event	Media	Prescription
1. Gaining Attention	Digital projector, Computer	Display screenshots of command line interfaces CLIs). Ask students if they know where the screenshots are from. Ask students if/when they have entered text commands to accomplish a task on a computer.
2. Inform the learner of objective	Computer	Ask students to visit Command Line Literacy website. Summarize objective of learning activities.
3. Stimulate recall of prerequisites	Computer	Guide students to learning module on CLL website. Reinforce the differences between different command line interfaces by comparing and contrasting Wikipedia articles on each (bash, PowerShell, Gnome Terminal, etc.).
4. Presenting the stimulus material and providing learning guidance	Computer	Familiarize students with the Web-based CLI tools Guide them through utilizing the chmod file permissions calculator. Relate numerical chmod values back to text values.
6. Eliciting performance	Computer	Present learning activities to students, scenarios that challenge them to synthesize the information they have gathered from chmod tutorial and related Web resources. Ask students to gather data from Web-based CLI tools (including chmod calculator) to respond to learning activity questions
7. Providing feedback	Digital projector, Computer	After students have completed the learning activities, project the correct answers in class, asking students to compare with their own learning activity responses. Ask students to leave feedback responses to the activity on the CLL website.
8. Assessing performance	Worksheet, Computer	Present a worksheet with the same scenarios as in the learning activities. Challenge students to respond to new CLI questions, writing their responses on the worksheets.
9. Enhancing retention and transfer	Home activity	Ask students to bring worksheets home, relate scenarios back to real-life situations on their own computers (or computers they have access to). Example questions: “How does security relate to my own files? How can I improve the integrity of my data (e.g. through automated backups)?”