# Lesson Plan: Physical Security

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| *Title* | Physical Security |
| *Course* | Principles of Information Security |
| *Teacher* | Thomas Russell |
| *Grade level* | 9th thru 12th |
| *Time duration* | 3 Hours |
| *Overview* | Physical security requires the design, implementation, and maintenance of countermeasures that protect the physical resources of an organization. It includes the physical protection of people, hardware and supporting system elements and resources that control information in all its states i.e. transmission, storage, and processing. Most of the technology-based controls can be circumvented if an attacker gains physical access to the devices bing controlled. Therefore, physical security is just as important as logical security to an information security program. |
| *Objective* | Discuss the relationship between threats to information security and physical security, Describe the key physical security considerations including fire control and surveillance systems, Identify critical physical environment considerations for computing facilities, including uninterruptable power supplies |
| *Materials* | Laptop computers with internet access, thumb drive, notebook |
| *Activities and procedures* | Students will read chapter 9 of Principles of Information textbook and complete the chapter summary, and review questions listed in back of the chapter. In addition, students will complete one case exercise related to the subject. |
| *References* | * Windows Systeminternals Administrator’s Reference Book * Cyber Safety Security Book 5 * [**www.urbanteach.org**](http://www.urbanteach.org) * [**http://technet.microsoft.com/en-us/sysinternals/bb545021.aspx**](http://technet.microsoft.com/en-us/sysinternals/bb545021.aspx) * Downloaded Copy of VMWare |
| *Standards* | * International Society for Technological Education (ISTE) * National Technology Standards (NETS) |