**Topic A:Productivity & application:**

*Sub Topic: Software used on Linux*

Fact:

* Microsoft Office
* Libre Office
* Evernote
* Calligra
* Office 365
* WPS office
* Only Office
* Open Office
* Qownnotes
* Xmind
* Thinkfree Office
* Officesuite

**Topic B: Entertainment and media software:**

*Sub Topic: Types of Entertainment/Media applications on Linux*

Fact:

* VLC Media Player
* Firefox
* Spotify
* MPlayer
* SUBSONIC
* Emby
* Plex
* Kodi

**Topic C: Programming Tools & Environment**

*Sub Topic: Development Tools Useful on Linux*

Fact:

* Containers-
* Version Control System
* Text Editor
* IDE
* Diff tools
* Atom-Linux Code editor
* Brackets-Linux HTML Code editor
* Gedit-Integrated Developments Environment
* Bluefish-Linux HTML Editor

**Topic D: System Tools:**

*Sub Topic: Useful Linux OS Tools*

* Top-Linux Process Monitoring
* Sysadmin-System Admintor
* Linux Rsync- Rsync Remote
* Python- Collects and Analyze Information in codes
* Pandora FMS- Server Monitoring

**Topic E: Software security and Updates**

*Sub Topic #1: Security Features on Linux*

* Linux have a multi-tier security that permits them from rooting any system wide changes
* Use are restricted to where they can save files,what hardware they can access,there memory usage,disk usage and range of priority settings they can apply

*Sub Topic #2: Linux Security Softwares*

* Authentication Modules(PAM and OPIE)
* System Logging (Syslog)
* Networking Services(TCP Wrappers,port mappers and xinetd
* The Shell (SSH)
* Cryptographic Software (TCFS)

*Sub Topic #3: Linux Updates & Patches*

* Linux has multiple different operating systems….which all have different versions of updates
* Latest version of Kali Linux contains AMD Secure Memory Encryption Support and Increase memory limits
* Updates can fix bugs and tweaks and minor items in the software around a few couple weeks
* New updates can install new useful applications for programing,virus and more.

**Topic F: File System & User Accounts:**

*Sub Topic #1: Types of File Systems with Linux*

Fact:

* Ext2
* Ext3
* Ext4
* Jfs
* ReiserFS
* XFS
* Btrfs
* Encryption

*Sub Topic #2: Linux Features on Users*

* More than one person can make a user on Linux OS
* Can change user properties
* Can add security to users with passwords and other ways

**Topic G: Special Features of Linux**

*Sub Topic: Features that come with Linux*

Facts:

* Multi Platform - which means can work on different types of hardware in same way
* Multitasking
* Multi User
* Multiprocessor (SMP) Support
* Multithreading Support
* Virtual Memory
* Hierarchical file system
* Graphic User System(X Window System, Wayland)
* Open Source

**Topic H: Limitations of your OS**

*Sub Topic: Restrictions against Linux*

Facts:

* Difficult to find applications for needs on linux
* Before you install any new driver make sure it’s available for Linux
* Most PC GAMES don’t support linux
* No Standard edition for linux like MACS or WINDOWS