

2006-07 Proposed TECH Curriculum

First Semester

First semester TECHS is general technology awareness which includes:

- **internet safety and ethics**
- **student career design based upon Nebraska Career Pathways model**
- **remote learning resources of applications**
- **digital storing telling and sharing using multimedia applications and hardware**

Unit I - Introduction to TECHS

- Chapter 1 - What is TECHS
- Chapter 2 - Intro to TECHS. myelearning.org
- Chapter 3 - TECH.myelearning.org - Journaling and Discussion Boards
- Chapter 4 - TECHS.myelearning.org - ePortfolio and Lockers
- Chapter 5-8 - TECHS Ethics
- Chapter 9-10 - Tips on presenting a technology inservices
- Special Project (Must have ODIE program through ESU 10) - Intro to ODIE

Unit II - Pathways lead to knowledge and skills which leads to a career (earning, learning, and living)

- Chapter 11 - Career Cluster Model
- Chapter 12 - Career Pathways
- Chapter 13 - Designing your pathway
- Chapter 14 - Building your portfolio
- Chapter 15 - Career Resources

Unit III - Remote Learning

- Chapter 16-17 - Video Conferencing
- Chapter 18-19 - Video Streaming
- Chapter 20 - Video on Demand
- Chapter 21-22 - Podcasting
- Chapter 23 - Audacity and Garageband
- Chapter 24 - Podcast Etiquette and Podcast Survey/Podcast Assignment
- Chapter 25 - Blogging
- Chapter 26 - More Video Conferencing

Unit IV - Digital Story Telling Unit (Multimedia/Applications)

- Chapter 27 - 32- Digital Story Telling
- Chapter 33 - LCD Projectors
- Chapter 34 - 35 - Multimedia Classroom

TECHS Second Semester

Second semester TECHS moves deeper into the techy world as we focus on hardware, OS systems, networks, information systems and programming, and special internet tools.

Unit V - Tools of the Trade

- Chapter 36 - Toolkit and Workstation
- Chapter 37 - Wiring and network troubleshooting
- Chapter 38 - Printer maintenance
- Chapter 39 - Other equipment

Unit VI - Operating Systems

- Chapter 40-42 - Battle of the Platforms
- Chapter 43 - Upgrading and protecting your PC
- Chapter 44 - Upgrading and protecting your Mac
- Chapter 45 - Tips and Tricks for Mac and PC

Unit VII - Linux - New OS On the Block

- Chapter 46 - Introduction to Linux
- Chapter 47 - Building A Computer
- Chapter 48 - Linux On Line Activity

Unit VIII - Network Design

- Chapter 49 - OSI Model
- Chapter 50 - Network Hardware
- Chapter 51 - Network mapping software
- Chapter 52 - Firewalls
- Chapter 53 - Wireless Networks/Bluetooth
- Chapter 53 - Spyware Detection and Prevention
- Chapter 54 - Virus Detection and Prevention

Unit IX - Technology

- Chapter 55-56 - Information Systems and System Development
- Chapter 57-58 - Program development and programming languages
- Chapter 59 - Web Programming
- Chapter 60-61 Database and Database Management Systems

Unit X - Everyone's tool - The Internet

- Chapter 62 - Google Search Strategies
- Chapter 63 - Pros and Cons to Browsers
- Chapter 64 - Firefox Browser Tips
- Chapter 65 - Email options - imap, spam, phishing, etc
- Chapter 66 - Tools for Online Use - FTP Chat

The Missing Lessons

- Chapter 67 - EOY Maintenance
- Chapter 68- Preparing for an interview
- Chapter 69 - Beyond TECHS - Certification and introductory college classes - CCC & UNK
- Chapter 70 - EOY Student Survey