# **UNIT 1: Information and Technology Tools**



#### **ESSENTIAL QUESTION**

# **BIG IDEAS**

How are Information and Technology Tools important to business?

#### Students will:

- Create professional communications.
- Demonstrate proficiency in digital organizational tools.
- Evaluate the effectiveness of web based tools.
- Apply technology to write, present, and create.

#### **GUIDING QUESTIONS**

#### Content

- What technology tools are utilized to enhance productivity in the digital world?
- What digital tools best fit my desired outcome?
- What is the smartest way to pair technology with productivity?

#### Process

- How do you leverage technology for improved business operations?
- How are ideas best conveyed through technology?

#### Reflective

- Why do businesses value technically competent employees?
- Why is it important for employees to be able to utilize different types of information and technology tools?

- Standard 1 Utilize information and technology tools to conduct business effectively and efficiently.
  - Improve internet navigation skills in accessing information.
  - Evaluate the validity and authenticity of a website.

- Practice effective usage of online resources for professional communication i.e., email and social media.
- Create a digital portfolio (e.g., Website, blog, etc.) and include all projects created during the class.
- Explore Freeware available on the Internet (e.g., Open Office, Google Apps, Gimp, etc.)
- Use cloud computing to improve productivity by designing, saving and uploading documents in an online account. (e.g. Dropbox, OneDrive, Dropittome, iCloud, etc.)
- Use online collaboration tools such as calendar, document and presentation sharing, etc.
- Explore the benefits of social networking as a business tool, including professional portfolios, blogs, privacy settings and safety issues.
- Understand the personal and business use of "apps" on digital devices.
- Understand the function of application software.
- Use and understand file conversion software to convert multiple types of files.
- Save documents as .pdf to maintain the integrity and increase accessibility when sharing.
- o Demonstrate the research skills necessary to identify and evaluate emerging technologies.
- Seek and identify sources of information on new technology.

- Canva
- WeVideo
- Adobe Creative Cloud
- MacBook Air Devices

# **UNIT 2: Ethical and Legal Issues**



#### **ESSENTIAL QUESTION**

# **BIG IDEAS**

Why is understanding ethical and legal issues necessary for success?

#### Students will:

- Understand and apply copyright restrictions.
- Understand and apply the fair use doctrine.
- Analyze and evaluate how to protect their online privacy.

### **GUIDING QUESTIONS**

#### Content

- What copyright and trademark laws do I need to abide by?
- What is intellectual property?
- What is allowed under the Fair Use Guidelines?

#### Process

- o How does the business world view my work?
- O How are intellectual property laws good for business?
- o How do you protect your privacy online?

#### Reflective

- Why is Artificial Intelligence impacting the ethical and legal landscape?
- Why is establishing a code of ethics beneficial to the company and to the employee?

- Standard 2 Students will understand ethical and legal issues pertaining to business.
  - Evaluate components of acceptable use policies, code of ethics, and their role in a business environment.
  - Demonstrate ability to follow fair use and acceptable use policies on assignments/projects.
  - Understand the difference between fair use and acceptable use policy.

- Understand legal issues related to FERPA (privacy) and posting on the Internet.
- Understand how technology relates to trade secrets, Creative Commons, copyrights, personal information, and ethical employee behaviors.
- Be able to discuss the advantages, disadvantages, and prospects of current emerging technologies.

- Canva
- WeVideo
- Adobe Creative Cloud
- MacBook Air Devices

# **UNIT 3: Audio and Video Applications**



# **ESSENTIAL QUESTION**

### **BIG IDEAS**

How are we influenced by the way we absorb information?

#### Students will:

- Communicate through the utilization of audio and video applications.
- Apply the professional use of digital audio.
- Evaluate how video can enhance business communication.

### **GUIDING QUESTIONS**

#### Content

- What tools can we utilize to convey a message?
- What personal characteristics are critical for effective work performance?

#### Process

- How is a digital story planned and created?
- How to choose an appropriate platform to communicate your message?

#### Reflective

- Why is a digital story more impactful?
- Why do we publish content?

- Standard 3 Students will communicate through the utilization of audio and video applications.
  - Locate and download a business-related podcast from the Internet.
  - Create a speech advertising a digital product or feature. Save the document in more than one format (e.g., pdf, web publishing, slideshow).
  - Deliver the speech to the class demonstrating professionalism through appearance, manners, etiquette, and enunciation.

- Use the speech to create a podcast and post to your digital portfolio.
- Explore speech/voice recognition technologies for cell phones, tablet PCs, and other devices.
- Understand technologies for disabled individuals and how these relate to the workplace.
- Distinguish the difference between audio file types (e.g. midi, mp3, wav)
- Find and download a business-related video to your computer or digital device.
- Create and insert a video for use in a podcast, presentation, or digital portfolio.
- Utilize audio/video conferencing (e.g., Skype, Facetime, Eyejot).
- Explain the pros and cons of telecommuting from both the employer's and employee's perspective.
- Demonstrate proper customer service when interacting with the public face to face or online.
- Describe personal characteristics that are critical for effective work performance, including honesty, attitude, punctuality etc.
- o Demonstrate proper business etiquette.
- Address each of the following areas to varying degrees based on available information: anticipated employment, drivers & constraints, size & location of market, connections(s) to existing technologies, ability & ease of replication, physical & capital costs, industry & education partnerships to be leveraged, national best practices, illustrate qualifications & recommendations, aims & approaches for the technological innovation, innovation system modeling, technology monitoring, forecasting & assessment, trend analysis methods & scenarios, Impact assessment, risk analysis, action (policy) analysis, technology road mapping, and communication & implementation of innovation forecasts.

- Canva
- WeVideo
- Adobe Creative Cloud
- MacBook Air Devices

# **UNIT 4: Design Graphics**



#### **ESSENTIAL QUESTION**

# **BIG IDEAS**

# How does print media get your attention?

#### Students will:

- Apply typography, hierarchy, and color theory in print design.
- Understand how to edit images.
- Explain how to save, compress, share, and manage digital images.

#### **GUIDING QUESTIONS**

#### Content

- What tools can be utilized to edit and create print media?
- What print media is appropriate for business?

#### Process

- Output Description 
  Output
- How to apply graphic design theory concepts (e.g. typography, hierarchy, and color theory) to create graphic design?

#### Reflective

- Why might a business choose print media instead of digital media?
- Why is it important to be able to convey somewhat complex messages in different types of media?

- **Standard 4** Students will work with digital images and print media using cloud-based design graphics (e.g., Canva, easel.ly, Piktochart, etc.).
  - Obtain and utilize images from digital devices such as cell phones, tablets or cameras.
  - Explain how to save, compress, share, and manage digital images.
  - Create an infographic, poster, or other online print media and save as a PDF or other format.

- o Download and use images from online image libraries.
- Use basic enhancement features to improve the quality of photos for use in documents (e.g., cropping, resizing, colorizing, etc.)
- o Generate and include a Quick Response (QR) code on print media.
- o Explore online backup and digital imaging resources.
- Identify the features of printers available for printing photos, including uploading for commercial printing.
- Evaluate how digital images enhance print media for business.
- o Discuss in depth a chosen emerging technology, based on independent research.

- Canva
- WeVideo
- Adobe Creative Cloud
- MacBook Air Devices

# **UNIT 5: Globalization of Business**



#### **ESSENTIAL QUESTION**

# **BIG IDEAS**

How is technology driving the globalization of business?

#### Students will:

- Investigate technology that facilitates business in a global society.
- Create professional communication that reduces friction in business.
- Collect and analyze data to implement data driven decisions.

#### **GUIDING QUESTIONS**

#### Content

- What tools can be utilized to facilitate global business?
- What are the different types of social media available in the world today?

#### Process

- O How do different cultures impact the way we should conduct business?
- O How does social media extend the reach of business?

#### Reflective

- Why might a business utilize technology to expand its reach?
- How might a business benefit by thinking globally about emerging technology?

- **Standard 5**-Students will understand the impact and advantages of technology relating to the globalization of business.
  - Use translation software to convert text to another language.
  - Use the Internet to convert currency from different countries.
  - Research business cultures and customs from different countries.
  - Research advantages of using technology relating to working with teams.
  - Create an online survey/form and use it to collect data.
  - Understand the uses of group texting (SMS, MMS, etc.).

- Understand the impact and influence of Social Media on business (i.e., Twitter: Hashtags;
   Facebook, LinkedIn etc...)
- Understand the uses of GPS and Geotagging in the business world.
- Use Online Mapping Software.
- Be able to explain why it is important for STEM professionals to keep abreast of evolving technologies.
- o Identify solutions and problems that go beyond the expected and obvious.

- Canva
- WeVideo
- Adobe Creative Cloud
- MacBook Air Devices