

Deer Valley Unified School District  
Exploratory Curricular Guide  
Grade 8

**Suggested Activities:**

Review & discuss rules & consequences

Review and discuss syllabus

Review and discuss copyright

Social Responsibility Internet Scenarios

Small Group Password Situations

**Resources:**

Arizona State Technology Standards

Internet Sites:  
Cyberbee.com

Syllabus  
Rules Handout  
(see Computer Applications II binder)

DVUSD Acceptable Use  
Agreement Policy

**Rules and Guidelines**  
**Computer Applications II**

**Learning Objectives:**

1. TSW understand the rules and consequences of the class.
2. TSW understand copyright laws.
3. TSW understand social responsibility regarding use of the Internet.
4. TSW understand the responsibility of password security and privacy.

**Arizona State Standards:**

**Standard 2** – Social, Ethical and Human Issues

2T-E1 Discuss basic issues related to responsible use of technology and information and describe the personal consequences of inappropriate use

PO 1. Explain the purpose of an Acceptable Use Agreement and the consequences of inappropriate use.

PO 2. Describe and practice safe Internet/Intranet usage.

PO 3. Describe and practice “netiquette” when using the internet and electronic mail.

2T-E2 Exhibit legal and ethical behaviors when using technology and information and discuss consequences of misuse

PO 1. Follow the rules for deciding when permission is needed for using the work of others.

PO 4. Explain copyright laws and “fair use” guidelines.

PO 6. State personal consequences related to the violations of:  
(copyright, password security, privacy, internet usage)

**Key Skills/Knowledge:**

Equipment use and responsibility

Internet use guidelines and safety

Social skills and responsibility

Password security

Copyright infringement

**Vocabulary:**

Copyright

Password

Internet

Acceptable use agreement policy

Privacy

Security

Social responsibility

**Deer Valley Unified School District  
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**Suggested Activities:**

CD Cover – front, back and label

**Graphic Design  
Computer Applications II**

**Learning Objectives:**

1. TSW develop keyboarding skills.
2. TSW develop word processing and editing skills.
3. TSW insert and edit graphic elements in a document.
4. TSW design a multi-layered graphic document and present.
5. TSW research information on the Internet.

**Arizona State Standards:**

**Standard 1** – Fundamental Operations and Concepts

1T-E1 Communicate about technology using developmentally appropriate and accurate terminology

PO 1/2. Use basic vocabulary related to technology and systems

1T-E2 Demonstrate increasingly sophisticated operation of technology components

PO 1. Use touch-typing strategies to reach a minimum of 25 words per minute with accuracy

PO 2. Retrieve and save information remotely

**Standard 2** – Social, Ethical and Human Issues

2T-E2 Exhibit legal and ethical behaviors when using technology and information and discuss consequences of misuse

PO 1. Follow the rules for deciding when permission is needed for using the work of others.

PO 4. Explain copyright laws and “fair use” guidelines.

**Standard 3** – Technology Productivity Tools

3T-E1 Use formatting capabilities of technology tools for communicating and illustrating

PO 1. Use word processing editing tools to revise a document

PO 2. Design a word processing document with graphical elements

3T-E2 Use a variety of technology tools for data collection and analysis

PO 1. Use technology device to collect and record data

**Standard 5** – Technology Research Tools

5T-E1 Locate information from electronic resources

PO 1. Identify electronic research resources

PO 2. Define subject searching and devise a strategy to locate information using available electronic research resources

**Key Skills/Knowledge:**

Keyboarding

Word processing/editing tools

Language Arts - writing

Insert & edit graphic elements

Multi-layered imaging

Internet research

**Vocabulary:**

Compilation

Multi-layer

Genre/theme

Copyright infringement

Traycard

Pixel

Resolution

**Resources:**

Adobe Photoshop Elements

Graphic Design Documents  
(see Computer Applications II binder)

Internet

**Deer Valley Unified School District  
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**Suggested Activities:**

Persuasive Business Letter
Logo Design
Outline
Job Application

**Resources:**

Microsoft Word
Paint or Adobe Photoshop
Business Center Documents (see Computer Applications II binder)
Internet

<b>Business Center: Word Processing and Design Computer Applications II</b>
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**Learning Objectives:**

1. TSW develop keyboarding skills.
2. TSW develop word processing and editing skills.
3. TSW insert and edit graphic elements in a document.
4. TSW design a graphic document and logo.
5. TSW research information on the Internet.
6. TSW complete a job application

**Arizona State Standards:**

**Standard 1** – Fundamental Operations and Concepts

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**Standard 5** – Technology Research Tools

5T-E1 Locate information from electronic resources

PO 1. Identify electronic research resources

PO 2. Define subject searching and devise a strategy to locate information using available electronic research resources

**Key Skills/Knowledge:**

Keyboarding
Word processing/editing tools
Language Arts - writing
Insert & edit graphic elements
Design a graphic document/logo
Internet research

**Vocabulary:**

Graphic element
Insert
Copy
Paste
Internet
Logo
Layer

Deer Valley Unified School District  
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**Suggested Activities:**

Google Maps

Dream Home

**Virtual Reality  
Computer Applications II**

**Learning Objectives:**

1. TSW develop map reading skills.
2. TSW create a floor plan using a Web-based simulation and present.
3. TSW use technology communication tools.
4. TSW use technology productivity tools.
5. TSW apply problem solving strategies using the Internet.

**Arizona State Standards:**

**Standard 1 – Fundamental Operations and Concepts**

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**Standard 3 – Technology Productivity Tools**

3T-E3 Publish and present information using technology tools

PO 1. Design and create a multimedia presentation or Web page using multiple digital sources

PO 2. Publish or present the above production

3T-E4 Use technology tools to support system analysis and modeling

PO 1. Manipulate several variables in a computer simulation to reach a desired outcome

**Standard 4 - Technology Communication Tools**

4T-E1 Use telecommunications efficiently and effectively to access remote information and communicate with others in support of facilitated and independent learning

PO 1. Communicate independently via e-mail, Internet, and/or videoconference with people in a remote location

4T-E2 Use technology tools for individual and collaborative writing, communication and publishing activities to create curricular related products for audiences inside and outside the classroom

PO 1. Plan, design and present an academic product using technology tools

4T-E3 Collaboratively use telecommunications and online resources

PO 1/2/3 Request collaborative exchanges, communicate electronically, present an academic product

**Key Skills/Knowledge:**

Floor planning

Architecture (Interior and Exterior)

Landscape Design

Map reading

Satellite Image Search

Street View Search

**Vocabulary:**

Scale

Directional indicators

Satellite View

Street View

Floor plan

Landscape

**Resources:**

Google Maps

Floorplanner.com

Google Maps Lesson

Dream Home Lesson

(see Computer Applications II binder)

Internet

**Deer Valley Unified School District  
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**Suggested Activities:**

College Powerpoint Presentation

**Multimedia Presentation  
Computer Applications II**

**Learning Objectives:**

1. TSW develop keyboarding skills.
2. TSW develop word processing and editing skills.
3. TSW insert and edit graphic elements in a document.
4. TSW design a multimedia presentation using a variety of digital sources.
5. TSW research information on the Internet.
6. TSW apply transitions, animations and sound.

**Arizona State Standards:**

**Standard 1** – Fundamental Operations and Concepts

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PO 1. Use technology device to collect and record data

3T-E3 Publish and present information using technology tools

PO 1. Design and create a multimedia presentation or Web page using multiple digital sources

PO 2. Publish or present the above production

**Standard 5** – Technology Research Tools

5T-E1 Locate information from electronic resources

PO 1. Identify electronic research resources

PO 2. Define subject searching and devise a strategy to locate information using available electronic research resources

**Key Skills/Knowledge:**

Keyboarding

Word processing/editing tools

Language Arts - writing

Insert & edit graphic elements

Design a multimedia presentation

Internet research

Animation, sound, & transitions

**Vocabulary:**

Animation

Sound

Transitions

Powerpoint

Multimedia

Tuition, room & board, WUE

Template, background, theme

**Resources:**

Microsoft Power Point

Powerpoint Lesson  
(see Computer Applications II binder)

Digital Camera/Scanner  
Card Reader/USB Drive

Internet

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**Suggested Activities:**

Create a Digital Music Piece

Create an Animation based on a cliché

**Macintosh Station  
Computer Applications II**

**Learning Objectives:**

1. TSW develop keyboarding and design skills.
2. TSW develop word processing and editing skills.
3. TSW create an original digital music piece.
4. TSW design a frame by frame animation based on a cliché.
5. TSW use troubleshooting strategies to solve applications problems.
6. TSW manipulate several variables in a computer simulation to reach a desired outcome.

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**Standard 1 – Fundamental Operations and Concepts**

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1T-E3 When a system is not working properly, demonstrate an understanding of hardware, software, and connectivity problem solving processes

PO 1. Use troubleshooting strategies to solve applications problems.

**Standard 3 – Technology Productivity Tools**

3T-E1 Use formatting capabilities of technology tools for communicating and illustrating

PO 1. Use word processing editing tools to revise a document

3T-E2 Use a variety of technology tools for data collection and analysis

PO 1. Use technology device to collect and record data

3T-E4 Use technology tools to support system analysis and modeling

PO 1. Manipulate several variables in a computer simulation to reach a desired outcome.

**Resources:**

Macintosh Computers & Programs  
ColorIt  
Garage Band

Animation Documents  
Garage Band Documents  
(see Computer Applications II binder)

Headsets/Microphones

**Key Skills/Knowledge:**

Keyboarding

Word processing/editing tools

Language Arts - writing

Basic music tempo/rhythm

Frame by frame illustrations

Internet research

Application Problem Solving

**Vocabulary:**

Cliché

Frame

Animation

Implied vs. Literal

Instrumental

Tempo

Rhythm

**Deer Valley Unified School District  
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**Suggested Activities:**

Commercial – Public Service Announcement

Write Script

Rehearsal with Props

Film Commercial

Download Video to Computer

Edit Video

Export Video for Presentation

**Resources:**

Windows Movie Maker

Video Editing Documents  
(see Computer Applications II binder)

Internet

Video Camera, tripod, microphone

Props

**Video Editing  
Computer Applications II**

**Learning Objectives:**

1. TSW create a video project to include filming, downloading, editing and exporting and presenting.
2. TSW develop word processing and editing skills.
3. TSW insert and edit graphic elements in a document.
4. TSW write a script.
5. TSW research information on the Internet.
6. TSW will work in a co-operative group.

**Arizona State Standards:**

**Standard 1 – Fundamental Operations and Concepts**

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2T-E2 Exhibit legal and ethical behaviors when using technology and information and discuss consequences of misuse

PO 1. Follow the rules for deciding when permission is needed for using the work of others.

PO 4. Explain copyright laws and “fair use” guidelines.

**Standard 3 – Technology Productivity Tools**

3T-E3 Publish and present information using technology tools

PO 1. Design and create a multimedia presentation

PO 2. Publish or present the above production

3T-E2 Use a variety of technology tools for data collection and analysis

PO 1. Use technology device to collect and record data

**Standard 4 – Technology Communication Tools**

4T-E2 Use technology tools for individual and collaborative writing, communication and publishing activities to create curricular related products for audiences inside and outside the classroom

PO 1. Plan, design and present an academic product using technology tools

4T-E3 Collaboratively use telecommunications and online resources

PO 3 Present an academic product to share data

**Key Skills/Knowledge:**

Videography

Video Editing

Script writing

Insert & edit graphic elements

Working in a Co-operative group

Internet research

**Vocabulary:**

Public Service Announcement

Script

Transition

Sound effects

Animations

Import

Export