

Table of Contents

Suggestions for the Day of the Exam.....	5
Multiple Choice Test Taking Strategies	6
Strategies for the TExES.....	8
The TExES Exams: General Information.....	10
Learner-Centered Proficiencies	11
Cooperative Learning.....	12
Bloom’s Taxonomy of Levels of Thinking	13
Abbreviations and their Meanings.....	14
Code of Ethics and Standard Practices for Texas Educators	15
Test Framework for Field #139: Technology Applications 8-12	17
Discussion of Competencies	28
Competency 001 - The Technology Applications teacher knows technology terminology and concepts; the appropriate use of hardware, software, and digital files; and how to acquire, analyze, and evaluate digital information.....	28
Competency 002 – The Technology Application teacher knows how to use technology tools to solve problems, evaluate results, and communicate information in a variety of formats for diverse audiences.	34
Competency 003 - The Technology Applications teacher knows how to plan, organize, deliver, and evaluate instruction that effectively utilizes current technology for teaching the Technology Applications Texas Essential Knowledge and Skills (TEKS) for all students.	42
Competency 004 - The Technology Applications teacher demonstrates knowledge of the principles of design and their application to digital graphics/animation products.	48
Competency 005 - The Technology Applications teacher demonstrates knowledge of principles of typography and page design and knows how to use technology tools to create desktop publishing products.....	61
Competency 006 - The Technology Applications teacher knows how to use graphics, animation, and desktop publishing software to produce products that convey a specified message to an intended audience.	69
Competency 007 - The Technology Applications teacher knows how to produce and distribute digital video and multimedia products.....	76
Competency 008 - The Technology Applications teacher demonstrates knowledge of strategies and techniques used in the preproduction, production, and postproduction of video products.....	81

Competency 009 - The Technology Applications teacher knows how to design, produce, and distribute multimedia products.....	91
Competency 010 - The Technology Applications teacher demonstrates knowledge of strategies and techniques for Web site administration.	96
Competency 011 - The Technology Applications teacher knows principles of Web page design and uses a variety of tools and techniques to design and troubleshoot Web pages for a diverse audience.....	99
Competency 012 - The Technology Applications teacher knows how to use Web pages to communicate and interact effectively with others.	106
Glossary	111
Practice Questions.....	117
Answers to Practice Questions.....	123