

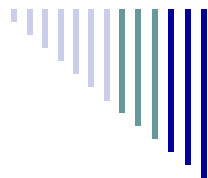
**Instructional Technology
Services**

The Unofficial Guide to Technology Applications and MTT Certification

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2. Development of additional curriculum units to enhance technology applications skills in grades 7-8
3. CIT for each campus to aid the classroom teachers in utilizing the skills acquired through the TA:TEKS classes for across curriculum implementation of Technology Applications

High School

1. Identify current "Grandfathered" technology applications teachers and aid in the acquisition of professional development hours in Technology Applications.
 2. Encourage non-certified Technology Applications teachers to obtain the Technology Applications 8-12 Certification through an SBEC approved certification program.
 3. CIT for each campus to aid the classroom teachers in utilizing the skills acquired through the technology application courses for across curriculum implementation of Technology Applications.
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- Desktop Publishing
- Digital Graphics/Animation
- Multimedia
- Video Technology
- Web Mastering
- Independent Study

2. Certification Requirements

- Must hold a Secondary Teaching Certificate and have taught a course prior to the 2003-2004 school year (refer to Grandfather Clause Section on pages 5-6)
- Initial Assignments for the courses requires a Secondary Certification and the Technology Applications Certification
- Teachers teaching Computer Science I or II must hold a CIS certificate or the new Computer Science Certificate
- Grandfathered Teachers are required to complete the 150 hours of continuing education courses in technology applications every five years.

Suggestions for Implementation

Elementary

1. Total immersion of Tech Apps into curriculum

- CIT for each Campus to aid current teachers with meeting the SBEC Technology Application Standards I-V
- Training provided by ITLS for elementary teachers to aid in the implementation process

Middle School

1. Full implementation of the TA:TEKS Curriculum at the 6th grade level

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Technology Applications Certification Areas

Certificate: Technology Applications 8-12	Examination Dates: Fall 2004
<p>Categories of Teaching Certificates The Technology Applications: 8-12 certificate may be issued no earlier than June 1, 2001. The holder of the Technology Applications: 8-12 certificate may teach Technology Applications in Grade 8 and the following technology applications courses in Grades 9 through 12: desktop publishing, digital graphics/animation, multimedia, video technology, web mastering, and independent study in technology applications</p>	
Certificate: Computer Science 8-12	Examination Date: Fall 2004
<p>Categories of Teaching Certificates The Computer Science:8-12 certificate may be issued no earlier than June 1, 2001. The holder of the Computer Science: 8-12 certificate may teach computer science I and II in Grades 8 through 12 .</p>	
Certificate: Technology Applications All Level	Examination Date: Fall 2004
<p>Categories of Teaching Certificates The Technology Applications: EC-12 certificate may be issued no earlier than September 1, 2002. The holder of the Technology Applications: Early Childhood-Grade 12 certificate may teach the technology applications curriculum in pre-kindergarten, kindergarten, and grades 1-12, with the exception of computer science I and II.</p>	
Certificate: Master Technology Teacher	Examination Date: Summer 2003
<p>Categories of Teaching Certificates The 77th Texas legislature passed House Bill 1475 which mandates a Master Technology Teacher certification and grant program. This program is very similar to the Master Reading Teacher and Master Mathematics Teacher. Both the Texas Education Agency and State Board for Educator Certification are involved in the implementation of this legislation to ensure that there are teachers with special training to work with other teachers and with students in order to increase the use of technology in each classroom.</p>	

3. Classroom Assignment Rules
 - A teacher with any Elementary Certification is competent to teach Technology Applications at Grades PreK – 5.
4. The EC-12 Technology Applications certification is **only** required for elementary campuses that are teaching technology applications as an individual course.
5. TEA states that the suggested method of implementation at the elementary level is full inclusion. TEA states that the suggested method of implementation at the elementary level is full inclusion. The expectation is that each elementary classroom is offering and complying with all technology applications standards in the classroom on a daily basis. Implementation is a mandate for all classrooms.

Middle School

1. Classroom Assignment Rules
 - Any teacher with any Elementary or Secondary Certification is competent to teach Technology Applications Courses at grades 6-8.
2. Technology Applications teachers at grades 6-8 must follow the approved TEKS for grades 6-8 technology applications. Individualized courses require certification.
3. For campuses not teaching technology applications courses, the expectation is that the TEKS will be met in the regular classroom. Full inclusion is expected when individualized courses are not offered.

High School

1. Technology Applications Courses for 8-12

4. MTT preparation programs require:
 - 24 hours of course credit for non-degree seekers
 - 36 hours of course credit for MEd

Implications for SAISD

Elementary

1. For all newly certified elementary educators, the technology applications standards I-V are included in the TExES test framework in Pedagogy and Professional Responsibilities.
2. Current Elementary Educators are encouraged by TEA to meet the Technology Applications Standards I-V or obtain the EC-12 Technology Applications Certification

Standards I-V

- All teacher use technology related terms, concepts, data input strategies, and ethical practices to make informed decisions about current technologies and their applications
- All teachers identify task requirements, apply search strategies and use current technology to efficiently acquire, analyze, and evaluate a variety of electronic information
- All teachers use task appropriate tools to synthesize knowledge, create and modify solutions, and evaluate results in a way that supports the work of individuals and groups in problem-solving situations.
- All teachers communicate information in different formats and for diverse audiences.
- All teachers know how to plan, organize, deliver, and evaluate instruction for all students that incorporates the effective use of technology for teaching and integrating the Technology Applications Texas Essential Knowledge and Skills (TEKS) into the curriculum.

Technology Applications Certification Acquisition

Certification as of Fall 2004 – Regulations for Tech Apps Certification by examination.

1. A teacher who holds an appropriate classroom teaching certificate and a bachelor's degree may add classroom certification areas by successfully completing the appropriate certification examination(s) for the area(s) sought. **Certification by examination is not available for:**
 - initial certification;
 - career and technology certification based on skill and work experience;
 - a class of certificate other than classroom teacher (e.g. Counselor, Principal, Learning Resources, Educational Diagnostician);
 - a certificate for which no certification examination has been developed.
2. To apply for additional certification based on examination, the following items must be submitted to SBEC
 - An Application for Certification by Examination or Duplicate Certificate (SBEC-CE9) with items 1- 22 completed
 - \$75 fee
3. Current Certificate holders obtaining additional certification in Tech Apps must complete certification examination and 150 continuing education credit hours every 5 years to maintain **(a or the)** certificate in Tech Apps.

Certification in Tech Apps Prior to Falls 2004

1. Must complete an approved Technology Applications Certification Program.

Approved Sites for Tech Apps 8-12 Certification in SA Area:

- Region 20
- Our Lady of the Lake University
- UTSA
- University of Houston Clear Lake

Approved Sites for Tech Apps EC-12 Certification in SA Area

- Region 20
- University of Houston Clear Lake

2. “Grandfather Clause”

- Individuals assigned to teach one or more of the six technology applications courses prior to the 2003-2004 school year shall remain eligible to teach the courses to which they have been previously assigned. The employing school district is responsible for ensuring that these technology applications teachers stay current through annual continuing education and professional development tied directly to the specific Technology Applications TEKS in 19 TAC Chapter 126 for the course(s) taught. The school district must maintain documentation of this continuing education and professional development in the personnel files of the teachers. Teachers are required to obtain 150 hours every five years.
- Teachers assigned to teach a Technology Applications course for only the 2003-2004 school year and years following must hold a technology applications certification.

3. Computer Science I and II

- Computer Science I and II: A teacher must hold a Computer Information System (CIS) certificate or the new Computer Science certificate

Initial Teacher Certification in Tech Apps

1. Must complete all required coursework from accredited college/university
2. Pass Certification Examination
3. Complete 150 continuing education credits per year

Master Technology Teacher Certification

Certification Requirements – 2 Routes

1. Hold a Technology Applications or Technology Education certificate, complete an SBEC-approved Master Technology Teacher preparation program, and Pass the TExMaT Master Technology Teacher Certification Examination
2. Hold a teaching certificate, have at least three years of teaching experience, complete an SBEC-approved Master Technology Teacher preparation program, and Pass the TExMaT Master Technology Teacher Certification Examination
 - This certification does not certify teachers to teach Technology Applications Courses
 - This certification certifies teachers to train other teachers
3. Certification Approved Preparation Programs in Texas (updated by SBEC on August 1, 2003)
 - Our Lady of the Lake University
 - Region 04
 - Region 11
 - Texas A & M University
 - University of North Texas
 - Houston ISD
 - Frenship ISD
 - University of Texas at El Paso
 - University of Houston Clear Lake