

# Technology Applications Integration Initiative Grades K-8

*An Implementation Planning Guide  
developed by the  
Office of Instructional Technology Services*

*Revision: July 22, 2005*





# Introduction

## Why use a technology applications curriculum or resources?

TEA mandates that districts must ensure that sufficient time is provided for teachers to teach and for students to learn the essential knowledge and skills in technology applications. The website outlining the Technology Applications TEKS for grades K-8 is <http://www.tea.state.tx.us/rules/tac/ch126toc.html>.

To ensure that students meet the Technology Applications TEKS and curriculum requirements outlined above, the Texas Education Agency, through *Proclamation 2001-Technology Applications Instructional Materials*, funded in 2004-2005 subscription-based instructional materials for Technology Applications for all students in grades K-8. The funded curriculum provides the materials and resources needed for students in grades kindergarten through eighth to become technology proficient with the prerequisite skills needed for the Technology Applications high school courses.

## Connection to SAISD Vision 2009 and Long Range Plan for Technology

- Enable the students, teachers, and administrators of SAISD to effectively integrate technology into the teaching and learning in the District.
- Use digital content to enhance learning. Digital content changes the learning process, allowing for greater levels of inquiry, analysis, interest, collaboration, creativity, content production, and student achievement.
- Use digital content when appropriate to meet individual student learning needs, and state and local education objectives.
- Ensure schools will have in the Campus Improvement Plan a technology plan to integrate digital content and current hardware into teacher instruction and student learning.

## Implementation Targets

Grade Levels	Levels of Immersion	Curriculum
K-2	Full	Classroom Connect - "Connected Tech"
3-5	Full	Classroom Connect - "Connected Tech"
6-8	Full	TechCONNECT TA:TEKS Course Offered at select campuses

## Key Areas to Implementation Success

### Infrastructure, Hardware, and Software

- ◆ Internet connectivity in classroom
- ◆ Access to teacher presentation station (computer, projector)
- ◆ Usernames and passwords for each teacher from the publisher
- ◆ Access to the on-line Technology Applications materials
- ◆ Student access to computers

### Professional Development and Technical Support

- ◆ Professional Development for Instructional Technology staff
- ◆ Professional Development for C&I Core Content Teacher Specialists
- ◆ Professional Development for Technology Applications Teachers (Grades 6-8)
- ◆ Professional Development for Campus CICs, CITs, CTRs and Department Heads
- ◆ Professional Development for K-5 TA:TEKS Implementation Committee
- ◆ Professional Development for All Core Content Teachers (Grades 6-8)

### Develop a comprehensive training schedule utilizing the publishers and District staff

- ◆ K-5 TA:TEKS Implementation Committee
- ◆ K-2 Target Teachers
- ◆ 3-5 Target Teachers
- ◆ 6-8 TA:TEKS Teachers
- ◆ 6-8 Core Content Teachers

### Monitoring and Evaluation

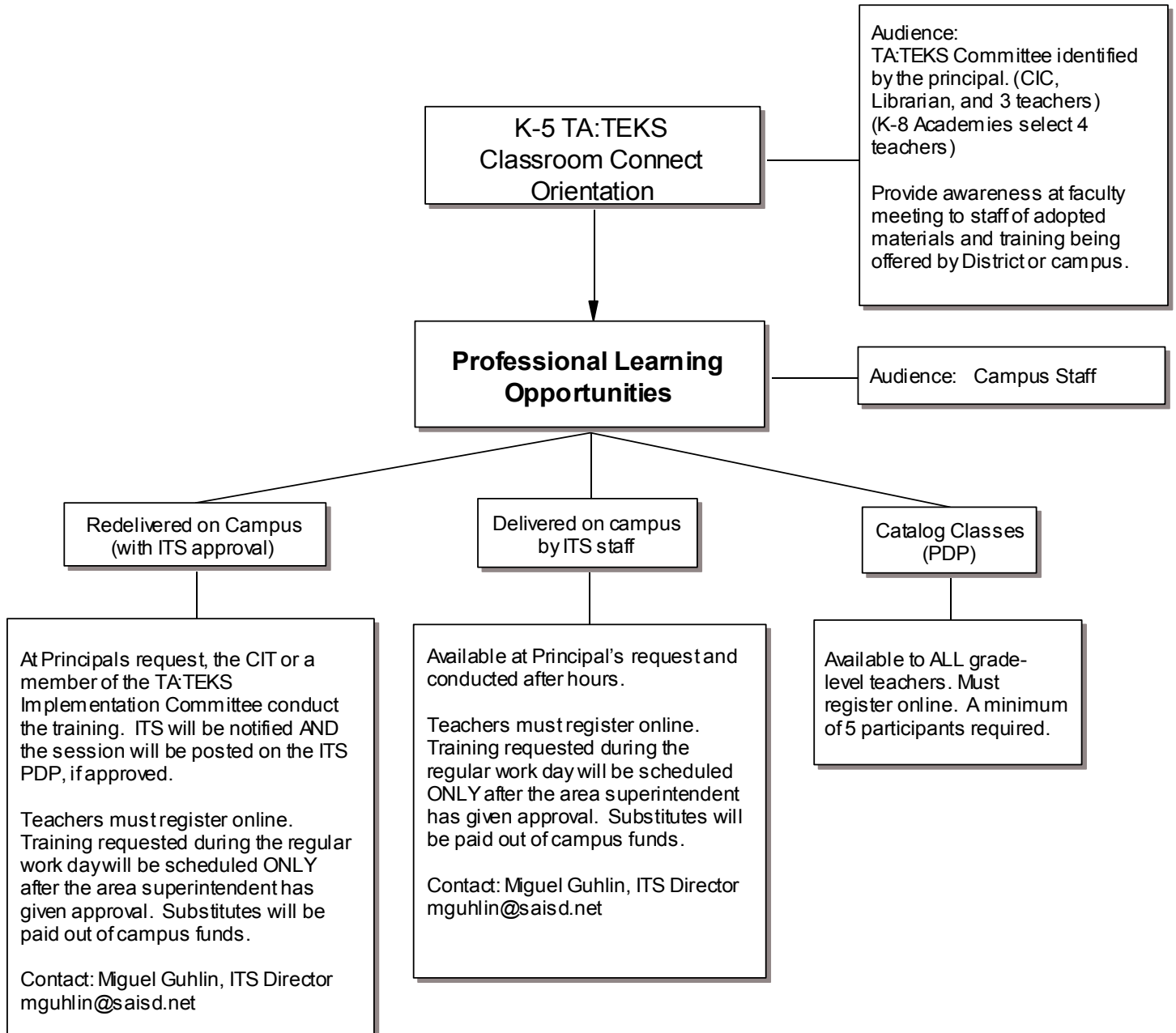
- ◆ Ongoing contact with extended support from ITLS and publishers





## *Technology Applications Professional Development*

### Professional Development Flowchart for K-2, 3-5 Targets

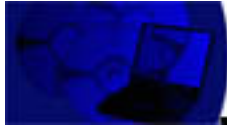




## Implementation Timeline

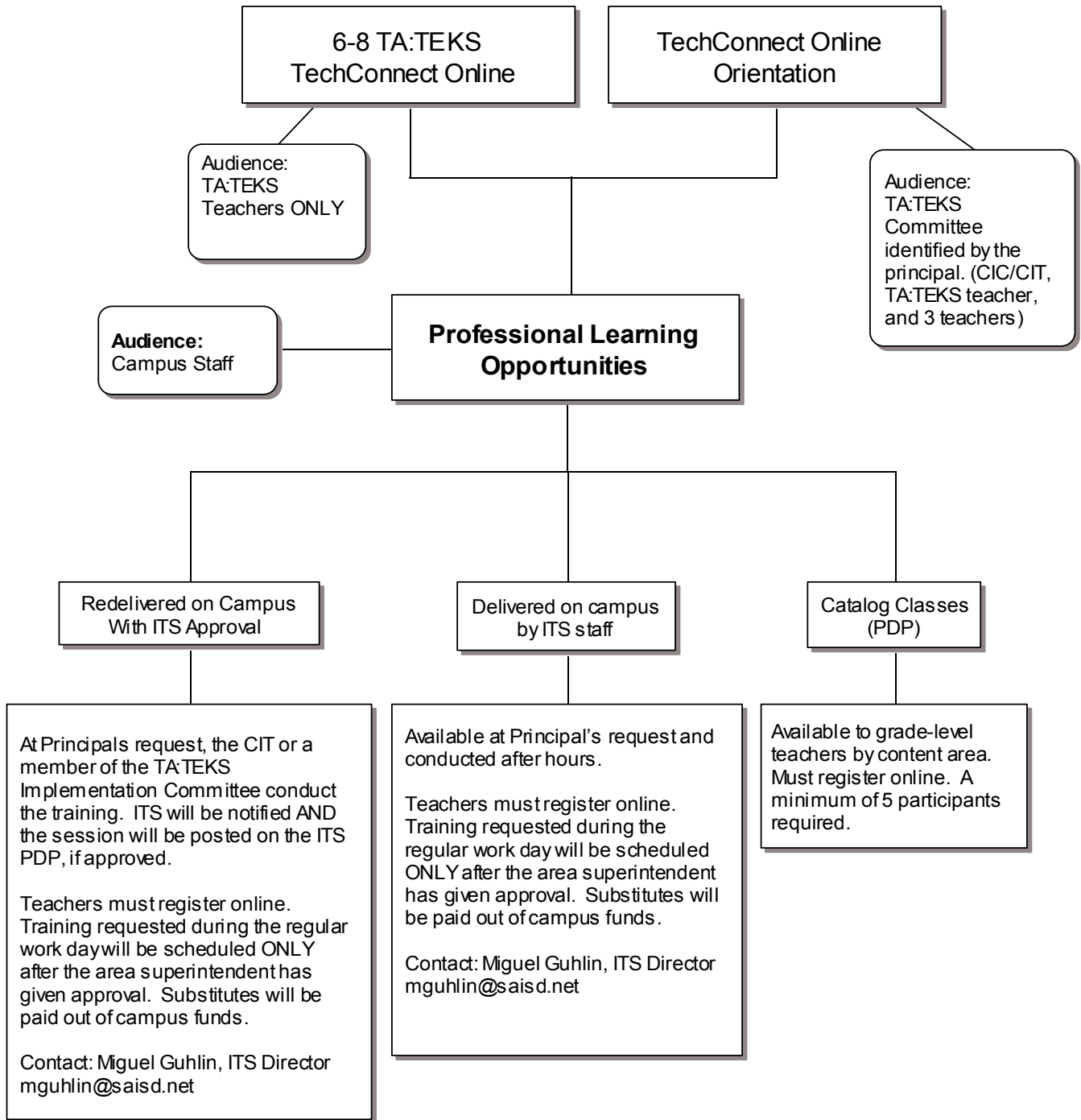
### Grades K-2 and 3-5

Instructional Technology staff will receive an overview of the <i>Classroom Connect</i> materials, review training materials, discuss training scenarios, and share implementation strategies.	July 25, 2005
C&I Elementary teacher specialists will receive an overview of the <i>Classroom Connect</i> materials from the publisher, discuss the adoption of the Technology Applications online materials and how they can be incorporated into the core content scope and sequence, and share implementation strategies.	July or August 2005
TA:TEKS Implementation Committee will attend Classroom Connect "Connected Tech" Orientation conducted by Classroom Connect and ITS staff. (C&I staff encouraged to attend one session)	Training will be completed by November 25, 2005
K-2 and 3-5 Cluster training will be offered to teachers on specific dates by ITLS staff at SSN. Classes posted on Professional Development Planner.	September-October 2005
C&I Teacher Specialists incorporate Classroom Connect Technology Applications resources into 2006-2007 scope and sequence.	May 2006
The TA:TEKS Implementation Committee receive professional development from C&I Teacher Specialists and ITLS staff on using the revised scope and sequence for the 2006-2007 school year.	Summer/Fall 2006
All teachers have access to the Technology Applications adopted resources and will integrate technology into the content areas as outlined in the District's revised scope and sequence in the 2006-2007 school year.	2006-2007 School year



## *Technology Applications Professional Development*

### Professional Development Flowchart for 6-8 Target





## Implementation Timeline

### Grades 6-8

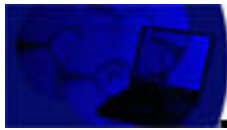
Staff development by Glencoe/McGraw-Hill and SAISD facilitators for <b>middle school Technology Applications teachers</b> teaching a TA:TEKS course using TechCONNECT Online Program, Texas Edition.	July 29, 2005
Meet with <b>middle school teacher specialists from C&amp;I</b> to discuss the adoption of the Technology Applications online materials, how they will be incorporated into the core content scope and sequence and how the materials will be used in the TA:TEKS classrooms.	July or August 2005
TA:TEKS Implementation Committee will attend TechCONNECT Online Orientation conducted by Glencoe/McGraw-Hill and ITS staff. (C&I staff encouraged to attend one session)  Provide awareness to staff at a faculty meeting of adopted materials and training being offered by District or campus.	Fall 2005
Training will be offered to core content teachers (Social Studies, LA, Science and Math) on specific dates by ITS staff at SSN.	September-October 2005
Teacher Specialists incorporate Technology Applications resources into 2006-2007 scope and sequence.	May 2006
CICs, CTRs and department heads receive professional development from C&I Teacher Specialists and ITLS staff on using the revised scope and sequence for the 2006-2007 school year.	Summer/Fall 2006
All teachers have access to the Technology Applications adopted sources and will integrate technology into the content areas as outlined in the District's revised scope and sequence.	2006-2007 school year



## ***TA:TEKS Timeline***

### **Building Capacity through Staff Development**

<b>Action Step</b>	<b>Office Responsible</b>	<b>Completion Date</b>
Notify principals of funded materials and implementation plan	Textbook Office & Instructional Technology	July 2005
Staff Development for Instructional Technology staff members from both publishers	K-5 Classroom Connect, 6-8 Glencoe/McGraw Hill TechConnect and ITS	July/August 2005
Staff Development for all Middle School Technology Applications Teachers	TechConnect & ITS	July 29, 2005
Staff Development for Elementary C&I Teacher specialists and Secondary Core Content C&I Teacher specialists	Publishers K-5 Classroom Connect, 6-8 Glencoe/McGraw Hill TechConnect	July/August 2005
Professional development for K-5 and 6-8 TA:TEKS Implementation Committee members	Publishers and ITS Staff	Before November 25, 2005
TA:TEKS Implementation Committee introduces online resources to all staff members during a faculty meeting.	Campus	Before November 25, 2005
Modify Scope & Sequence to include online Technology Applications materials	Curriculum Instruction	May 2006
Professional Development for K-5 and 6-8 TA:TEKS Committee on revised Scope & Sequence	Instructional Technology	August 2006
TA:TEKS Implementation Committee presents revised Scope & Sequence to all staff members during a faculty meeting	Individual Campuses	August 2006
Evaluate the effectiveness of Technology Applications implementation through the department for professional learning	Department of Professional Development	May 2007



# Professional Development

## K-5 TA:TEKS Implementation Committee

Campus	Area	Training Day	Room	Trainer
ITS Staff & CITS		Mon. July 25	100a	Classroom Connect Jean Haverstick
C&I staff and ITS		To be determined		Classroom Connect Jean Haverstick
		Tues. Sept. 6 4:30 - 7:30	100a	Classroom Connect
			100a	Classroom Connect
			100a	Classroom Connect
		Wed. Sept. 7 4:30 - 7:30	100a	Classroom Connect
			100a	Classroom Connect
			100a	Classroom Connect
			100b	ITS Staff
			100b	ITS Staff
			100b	ITS Staff
			206	ITS Staff
			206	ITS Staff
			206	ITS Staff
		Thurs. Sept. 8 4:30 - 7:30	100a	Classroom Connect
			100a	Classroom Connect
			100a	Classroom Connect
			100b	ITS Staff
			100b	ITS Staff
			100b	ITS Staff
			206	ITS Staff
			206	ITS Staff
			206	ITS Staff



# Professional Development

## K-5 TA:TEKS Implementation Committee

Campus	Area	Training Day	Room	Trainer
		Thurs. Sept. 13 4:30 - 7:30	100a	Classroom Connect
			100a	Classroom Connect
			100a	Classroom Connect
			100b	ITS Staff
			100b	ITS Staff
			100b	ITS Staff
			206	ITS Staff
			206	ITS Staff
			206	ITS Staff
			Wed. Sept. 14 4:30 - 7:30	100b
		100b		Classroom Connect
		100b		Classroom Connect
		206		ITS Staff
		206		ITS Staff
		206		ITS Staff
		Thurs. Sept. 15 4:30 - 7:30	206	ITS Staff
			206	ITS Staff
			206	ITS Staff
		Tues. Sept. 20 4:30 - 7:30	100b	ITS Staff
			100b	ITS Staff
			100b	ITS Staff
			206	ITS Staff
			206	ITS Staff
			206	ITS Staff





## Professional Development

### K-5 TA:TEKS Implementation Committee

Campus	Area	Training Day	Room	Trainer
		Wed. Sept. 21 4:30 - 7:30	100b	ITS Staff
			100b	ITS Staff
			100b	ITS staff
			206	ITS staff
			206	ITS staff
			206	ITS staff
		Thurs. Sept. 22 4:30 - 7:30	100b	Classroom Connect
			100b	Classroom Connect
			100b	Classroom Connect
			206	ITLS Staff
			206	ITLS Staff
			206	ITLS Staff
		Tues. Sept. 27 4:30 - 7:30	100b	ITS Staff
ITLS Staff & CITs			100b	ITS Staff
C&I staff and ITLS			100b	ITS Staff
			206	ITS Staff
			206	ITS Staff
			206	ITS Staff

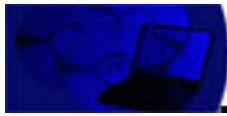


## K-5 TA:TEKS PDP Courses

Additional Training for specific clusters at SSNB—Must register online  
(Sessions will be **cancelled** if fewer than 5 teachers are registered)

Cluster	Date	Time	Room	Trainer
<b>K-2 Cluster Teachers ONLY</b>				
	Sept. 28	4:30—7:30	100a	ITS
	Sept. 29	4:30—7:30	100b	ITS
	Oct. 4	4:30—7:30	100b	ITS
	Oct. 5	4:30—7:30	100a	ITLS
	Oct. 6	4:30—7:30	100b	ITS
	Oct. 11	4:30—7:30	100a	ITS
	Oct. 13	4:30—7:30	100a	ITS
	Oct. 18	4:30—7:30	100b	ITS
	Oct. 19	4:30—7:30	100a	ITS
	Oct. 26	4:30—7:30	100a	ITS
	Oct. 27	4:30—7:30	100a	ITS
<b>Grades 3-5 Cluster Teachers ONLY</b>				
	Sept. 28	4:30—7:30	100b	ITS
	Sept. 29	4:30—7:30	206	ITS
	Oct. 4	4:30—7:30	206	ITS
	Oct. 5	4:30—7:30	100b	ITS
	Oct. 6	4:30—7:30	206	ITS
	Oct. 11	4:30—7:30	100b	ITS
	Oct. 13	4:30—7:30	100b	ITS
	Oct. 18	4:30—7:30	206	ITS
	Oct. 19	4:30—7:30	100b	ITS
	Oct. 26	4:30—7:30	100b	ITS
	Oct. 27	4:30—7:30	100b	ITS

**Principals may also request training for their campus by contacting the Office of Instructional Technology at 527-1400. The requested day (trainer available) will be scheduled and teachers will register for the session online.**



# Professional Development

## 6-8 TA:TEKS Implementation Committee

Campus	Training Day	Room	Trainer
	Sat. Sept. 10 8:30 - 11:30	100a	ITS
		100a	ITS
		100a	ITS
	Sat. Sept. 17 8:30-11:30	100a	ITS
		100a	ITS
		100a	ITS
	Sat. Sept. 24 8:30-11:30	100a	ITS
		100a	ITS
		100a	ITS
	Wed. Sept. 28 4:30 - 7:30	206	ITS
		206	ITS
		206	ITS
	Wed. Oct. 5 4:30 - 7:30	206	ITS
		206	ITS
		206	ITS
	Sat. Oct. 8 8:30 - 11:30	100a	ITS
		100a	ITS
		100a	ITS
	Tues. Oct. 11 4:30 - 7:30	206	ITS
		206	ITS
		206	ITS
	Thurs. Oct. 13 4:30 - 7:30	206	ITLS
		206	ITLS
		206	ITLS



## Grades 6-8 TA:TEKS PDP Courses

Training for Middle School Core Content Teachers at SSNB—Must register online  
(Sessions will be **cancelled** if fewer than 5 teachers are registered)

Cluster	Date	Time	Room	Trainer
<b>Social Studies Teachers ONLY</b>				
	Oct. 15	8:30-11:30	100a	ITLS
<b>LA Teachers ONLY</b>				
	Oct 19	4:30—7:30	206	ITLS
<b>Science Teachers ONLY</b>				
	Oct. 20	4:30—7:30	100b	ITLS
<b>Math Teachers ONLY</b>				
	Oct.26	4:30—7:30	206	ITLS

Principals may also request training for their campus by contacting the Office of Instructional Technology at 527-1400. The requested day (trainer available) will be scheduled and teachers will register for the session online. Training will be conducted by either ITS staff or TechCONNECT trainer.



## *Technology Applications Readiness*

---

### **Infrastructure, Hardware, and Software**

- Functioning computer(s) running at least Windows 2000 or MAC OS 9
- A projection device
  - Options:
    - One per teacher, preferred
    - One per grade level
    - One per content area
    - 3-5 available for teacher checkout
- Functioning Internet Connectivity in all classrooms
- Internet Explorer 5.5 or higher for PC or Netscape 7 or higher for PC
- Netscape 7 or higher for MAC or Internet Explorer 5.5
- Log on teacher usernames and passwords

### **Professional Development**

- Instructional Technology Staff will attend training from
  - Classroom Connect—"Connected Tech", K-5, Summer 2005
  - Glencoe/McGraw-Hill—"TechCONNECT ONLINE PROGRAM"
- Teacher Specialists from each core content area will attend training to understand how Tech Applications can be integrated into the District Scope & Sequence, Summer 2005
- Technology Applications teachers for grades 6-8 will attend professional development on new curriculum in summer of 2005
- CICs and department heads will attend sessions before the start of the 2006-2007 school year.
- Teachers can attend a 3 hour session to learn how Tech Applications is embedded in the scope and sequence and how they will implement throughout the 2006-2007 school year.





## *Conclusion*

---

Prompt approval and implementation of this plan will ensure successful implementation. While no plan can anticipate with 100% accuracy the issues that will arise, we can anticipate the Professional Development and Support Structures that need to be set in place. This plan seeks to do this, and your feedback is invited.

Please submit your comments to:

Miguel Guhlin, Director  
Office of Instructional Services  
Email: [mguhlin@saisd.net](mailto:mguhlin@saisd.net)  
210-527-1400 ext. 115