

A person wearing a blue lab coat and white gloves is working on a surgical table. The table is covered with a blue cloth and has several surgical instruments, including scissors and forceps, laid out on it. A red tray containing small white packets is also visible. The background shows a clinical setting with blue equipment.

# AST Educators Conference 2019 Tempe, Arizona

**LAB: STUDENT TESTED. INSTRUCTOR APPROVED!**

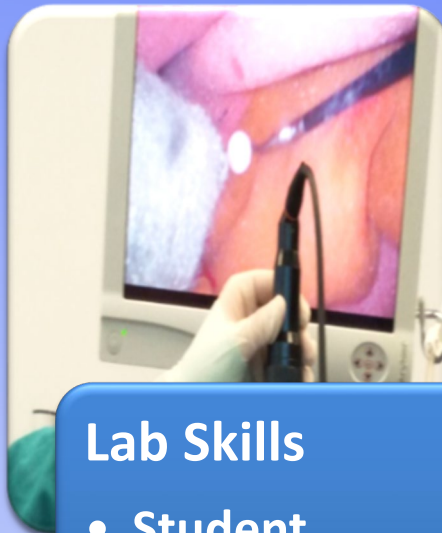
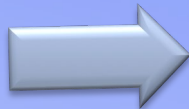
Shauna Jackson, BS, CST, CRCST  
MTECH Surgical Technology Program Coordinator

# Lab: Student Tested. Instructor Approved!



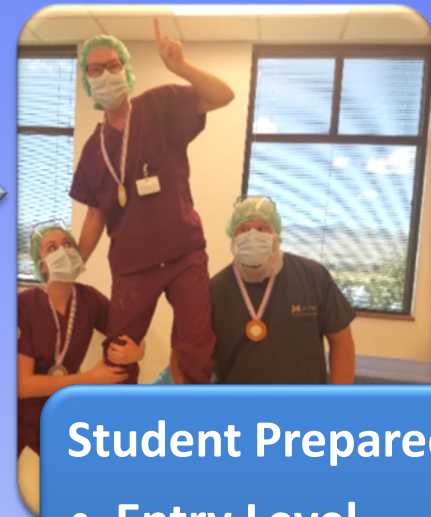
## Consistency

- Plus Fun!
- Keys to Student Success



## Lab Skills

- Student Performance
- Evaluation Tools



## Student Prepared

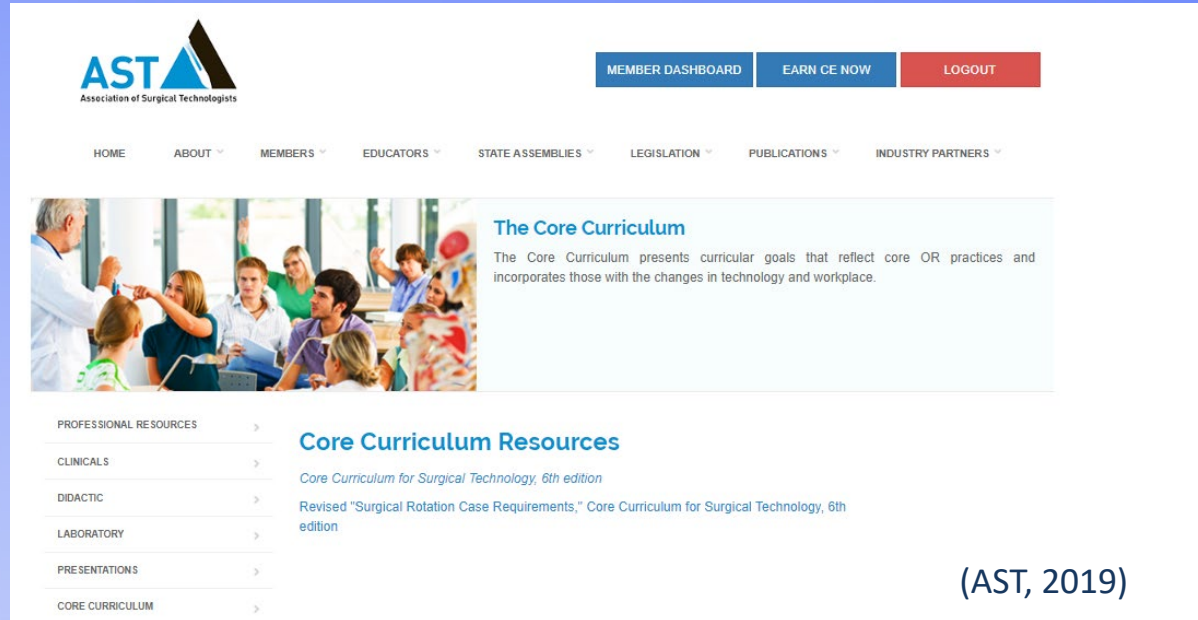

- Entry Level Surgical Technologist
- O.R. Rotations



# CONSISTENCY

## The Lab:

- One of the most important elements of the Surgical Technology Curriculum
- Current surgical technology curriculum found at: [https://www.ast.org/Educators/Core\\_Curriculum/](https://www.ast.org/Educators/Core_Curriculum/)



**AST**  
Association of Surgical Technologists

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### The Core Curriculum

The Core Curriculum presents curricular goals that reflect core OR practices and incorporates those with the changes in technology and workplace.

PROFESSIONAL RESOURCES >

CLINICALS >

DIDACTIC >

LABORATORY >

PRESENTATIONS >

CORE CURRICULUM >

### Core Curriculum Resources

*Core Curriculum for Surgical Technology, 6th edition*

Revised "Surgical Rotation Case Requirements," Core Curriculum for Surgical Technology, 6th edition

(AST, 2019)

# CONSISTENCY + FUN!

## Regular, Scheduled Lab Days

- Instructor demonstrates skill
- Instructor guides practice
- Constructive feedback
- Student gives self-feedback

## Open Lab Day

- Example: Fridays mornings.
- Student works autonomously
- Student works with an instructor



Instructor led: Patient transfer



# Consistency + Fun (continued)

## Spontaneous Surgical Tech Rap



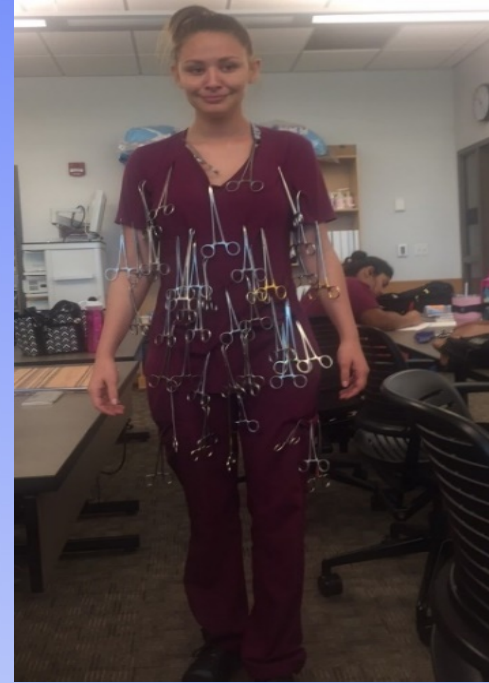
# Consistency + Fun (continued)

## Learning Games

- Scavenger hunts
- First day Orientation
- Locating lab furniture, instruments



Name that instrument and pass it correctly



Student's own creative way to learn instruments!



# Consistency + Fun (continued)

**Celebrate National Surgical Technologist Week!  
Surgical Tech Olympics**

**Start events with a pot-luck lunch.**



**Creative student made cookies for dessert**

# Consistency + Fun (continued)

## Surgical Tech Olympics

### Make a Sponge Stick – Blindfolded

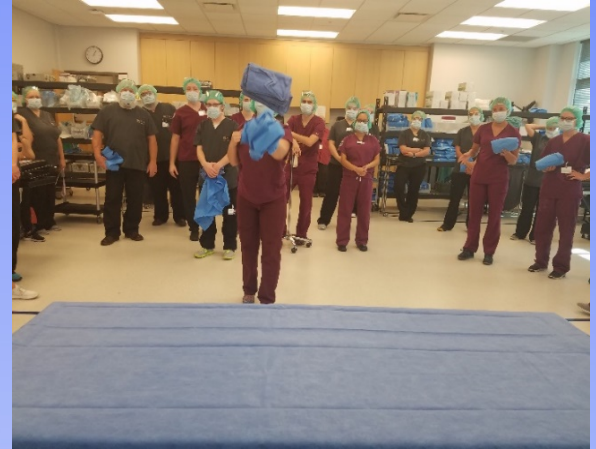
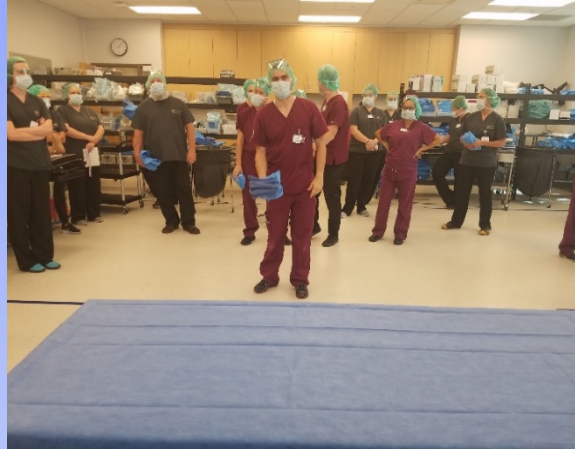




# Consistency + Fun (continued)

## Surgical Tech Olympics

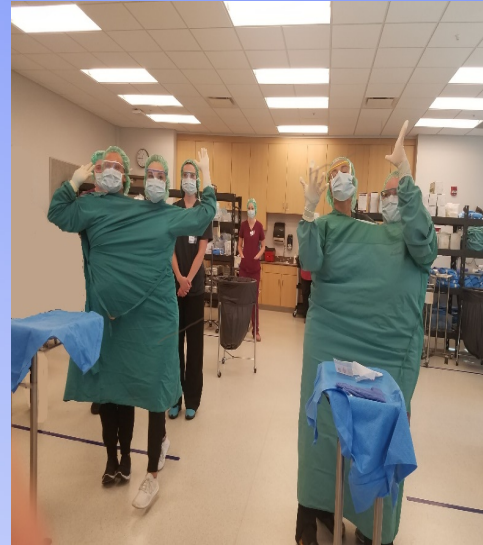
**Towel Toss: 12" away, 2' away, 3 feet away!**



# Consistency + Fun (continued)

## Surgical Tech Olympics

Two techs, One Gown, One pair of gloves





**Consistency + Fun (continued)**

## **Surgical Tech Olympics Medal Winners**



# LAB SKILLS

## Student Performance

- Instructors on the “same page”

## Syllabus

- Course Description
- Course Learning Objectives
- Course Topics
- Grading Plan
- Evaluation Methods for Exams
- Lab Policies/Student Conduct
- Course Outline







# LAB SKILLS (continued)

## Course Description

- Acquaints the student with the skills necessary to function as a entry level surgical technologist.
- Satisfactory performance is required of all activities.
- Emphasis is placed on the surgical scrub, gowning, and gloving, establishing a sterile field, draping materials, needles, sutures, basic instrumentation, preparation and sterilization of supplies.



## LAB SKILLS (continued)

### Course Description (continued)

- The laboratory will allow the student to develop his/her skills in positioning and transporting of patients as well as developing proficiency as an entry level surgical technologist.





## LAB SKILLS (continued)

### Establish Laboratory Guidelines

- Attendance is Mandatory. Missed labs must be made up in order to complete clinical activities
- Laboratory time is to be spent on demonstration, practice, observation, and evaluation of the student
- Independent learning is encouraged
- Additional hours may be arranged

From the AST.org website

(AST, 2019)



## LAB SKILLS (continued)

### Student Evaluation

- Deadlines for evaluation necessary to insure competency before clinical activity.
- Demonstration of competency by instructor exam.
- Competency presented to Clinical Coordinator before student clinical activity.
- Incomplete/Unsuccessful evaluations may prevent student from participation in clinical activity.

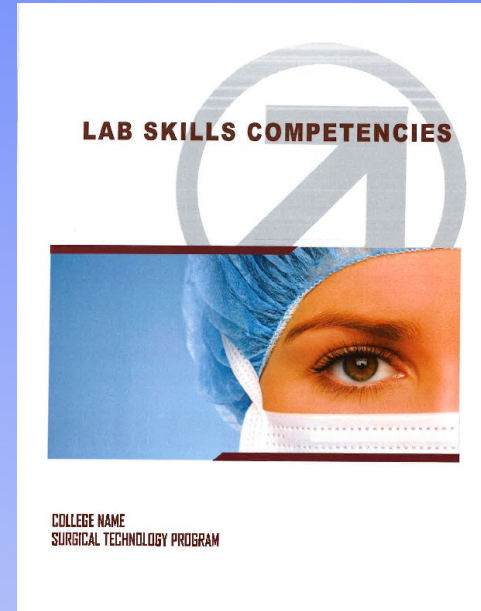


# LAB SKILLS (continued)

## Student Lab Binder

### Tabs Divide Lab Course Skills Evaluations:

- Lab I
- Lab II
- Lab III
- Lab IV
- Lab V
- Lab VI



A photograph showing various surgical instruments, including scissors and forceps, laid out on a blue surgical drape. The instruments are arranged in a way that suggests a sterile field setup.

# **LAB SKILLS (continued)**

## **Student Lab Binder (continued)**

### **Lab Skills Evaluation Rubrics (a few examples)**

- Introduction to the Operating Room
- Donning surgical Attire
- Opening back table cover/basin
- Surgical Hand Scrub
- Gown/Glove Self
- Dress the Mayo Stand
- Back Table Set-Up
- Gown/Glove Assist a Team Member
- Instrument Handling
- Accept Medication into the Sterile Field
- Perform Counts
- Identify, load, and pass surgical needles/suture
- Case Management
- Case Management – Drape

(AST, 2019)



# LAB SKILLS (continued)

## Evaluation Tools

### Rubrics:

- Score of 3: Proficient (performs w/o direction)
- Score of 2: Partially Proficient (some direction)
- Score of 1: Limited (needs constant direction)
- Score of 0: Unsatisfactory (cannot perform the task)

### Remediation: unsuccessful skills evaluation:

- Practice two times (minimum), with instructor
- Schedule second attempt lab evaluation

Student: \_\_\_\_\_ Score: \_\_\_\_\_/24

Date: \_\_\_\_\_ Instructor Signature: \_\_\_\_\_

Student Signature: \_\_\_\_\_

#### Surgical Hand Scrub

##### Skill Evaluation Checklist

**Objective:** Demonstrate a surgical hand scrub following principles of asepsis.

**Evaluation Directions:** Check or circle the appropriate number to indicate the student's performance level, using the following rating scale.

3 = PROFICIENT. Can complete the task quickly and accurately without direction.

2 = PARTIALLY PROFICIENT. Can do most of the task. Needs assistance. Needs constant supervision.

1 = LIMITED. Can do a limited amount of the task. Must be told what to do. Needs extremely close supervision.

0 = UNSATISFACTORY. Cannot accurately perform the task. Must be told what to do. Needs extremely close supervision.

Evaluation	Instructor Assessment	Rating
1. Check hands and arms for cuts or infections. Fingernails should be short, free from polish and/or artificial nails; no jewelry		3 2 1 0
2. Turn on water to moderate flow and adjust water temperature. Avoid touching faucets throughout completion of procedure		3 2 1 0
3. Wet hands and arms, apply antimicrobial soap and lather from fingertips to 2" above elbows		3 2 1 0
4. Rinse hands and arms. Open sterile scrub brush and obtain nail file. Clean each fingernail (subungual) under running water		3 2 1 0
5. Using sterile scrub brush, apply antimicrobial soap and scrub nails on both hands (30 strokes) Note: A stroke is considered a back and forth motion		3 2 1 0
6. Scrub from fingertips to 2" above elbows using the counted stroke method: 10 strokes each side of fingers, hand and arm of first extremity		3 2 1 0
7. Transfer brush to scrubbed hand/arm, and scrub opposite extremity. Discard brush.		3 2 1 0
8. Rinse hands and arms with a unidirectional motion. Keep hands higher than elbows and finger tips up. Proceed to OR.		3 2 1 0

# LAB SKILLS (continued)

## Categorize Instruments

- Cutting/Dissecting
- Clamping/Occluding
- Suturing
- Grasping
- Retracting
- Ancillary





# LAB SKILLS (continued)

## Instrument Quizzes

### Name Instruments

- Tape on table that is numbered
- Student writes name of instrument on blank form
- Created Instrument app – Student given access to app for study



# LAB SKILLS (continued)

## Suture Quizzes

- Identify suture material
- Brand/composition name
- Match suture to tissue
- Identify suture needles



Suturing Pigs feet





# LAB SKILLS (continued)

## PIG – DISSECTION –ANATOMY







## **LAB SKILLS (continued)**

### **Healthcare Professionals**

- Speakers
- Professionalism
- Disposition for the Operating Room

### **Operating Room/Central Processing Tours**

- Familiarization to the Operating Room
- Location of Central Processing
- How all of the Departments Connect

# LAB SKILLS (continued)

## Industry Representative Demonstrations

- One time use instruments, staplers, supplies
- Skin Adhesives



# STUDENT PREPARED

## Operating Room Clinical Rotations

### Entry Level Surgical Technologist

- Confident and Competent
- Basic Surgical Technologist Skills
- Instructor to include skills specific to clinical sites





A close-up photograph of various surgical instruments, including scissors and forceps, laid out on a blue surgical drape. The text "STUDENT PREPARED" is overlaid in yellow.

# STUDENT PREPARED

## SHARE!

- Successful Evaluation Methods
- Fun Lab Learning Activities





# SUMMARY

**Consistency + Fun**



Key to Student Success

**Lab Skills**



Student Performance  
Evaluation Tools

**Student Prepared**



O.R. Clinical Externship  
Entry Level Surgical Tech

# REFERENCES

The Core Curriculum. (2019). Retrieved January 27, 2019, from [https://www.ast.org/Educators/Core\\_Curriculum/](https://www.ast.org/Educators/Core_Curriculum/)

