



WAYNE STATE UNIVERSITY

STEM Day Lesson Plan

Title: **Speech, Swallowing & Hearing**

Subject Area: **Speech-Language Pathology and Audiology**

Learning Activity Description: **A variety of activities surrounding Voice, Swallowing, Cognition, Stuttering and Hearing.**

Lesson Activity Objective: **There will be five different lessons. For example, at the Voice table, students will learn about the vocal folds, acoustic analysis of the voice, what it means to be hoarse, and how to take care of the voice. Additional tables will focus on hearing, stuttering, swallowing, and brain injuries.**

Lesson Activity Outcomes: **Student will recall discussions of the anatomical, physiological, cognitive and psychosocial aspects of speech, swallowing and/or hearing difficulties. Students will learn about the two professions of Speech-Language Pathologist and Audiologist.**

Materials/Supplies Listed: **DAF (Delayed Auditory Feedback), Videos of swallowing, examples of materials for safe swallowing, Audiometers, Model of Speech Mechanism, Ear Model, Brain models and pictures, activities.**

Teacher Procedures: **Hands-on activities and handouts will be provided.**

Preparation Time for Learning Activity: **10-15 minutes for each activity**

Room set-up: **5 stations (Hearing, Voice, Stuttering, Swallowing, and Brain)**

Group Strategies (example, group size, expected time for groups, etc.): **Approximately 8 students are assigned to a group/station, students will spend 5-7 mins. In each station, students will participate at each station with designated group leader.**

Student Products/Artifacts/work pages: **Student participation in each activity.**

Assessment Criteria/Rubric: **Student will be able to discuss the 5 topics covered related to hearing, voice, stuttering, swallowing, and the brain.**

Closing/Transition to next activity: **The group leader will review the lesson and answer any questions students may have.**