

## **AUDIO/VISUAL DEPARTMENT**

## **AV MEDIA TECH. AND TECHNICAL THEATER: COURSE #960**

### **Contact Information**

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### **The Department's Educational Philosophy**

Every interested student should have the opportunity to learn the proper procedures and use of the varied technological equipment used in and for the classroom. These techniques will help prepare students for further educational and business experiences with regard to this equipment training.

### **Guiding Principles**

This course is for the student who is interested in learning about Audio/Visual media technology from a technical perspective and about Technical Theater (defined as the design, operation and maintenance of stage lighting and sound equipment). It consists of hands-on learning utilizing a large variety of Audio/Visual media equipment, sound systems and stage lighting.

## **AUDIO/VISUAL MEDIA TECHNOLOGY AND TECHNICAL THEATER: COURSE #960**

**Course Frequency:** Five times, or two and a half times per week

**Credits Offered:** Five credits, or two and a half credits

**Prerequisites:** None

### **Background to the Curriculum**

The curriculum is ever changing with the addition of new technological equipment to the school. It began as a service to staff using this equipment for their classroom lessons. Then it expanded when Technical Theater was introduced shortly after the addition of the auditorium to the current high school in the early 1970s. With today's technology, students assist not only the classroom teacher but also students, administrators and staff with their presentations in and out of school.

### **Core Topics/Questions/Concepts/Skills**

Audio/Visual Program: *Students will*

- maintain and operate standard classroom equipment (i.e., overhead projectors, recording and play units) and set up, maintain and operate portable and mounted LCD projectors;
- create and copy videos;
- create and burn DVDs;
- create, burn and copy CDs;
- create and copy audiotapes;
- create transparencies and jpps from text, photo or Internet downloads with Photoshop;
- laminate and trim various-sized papers and posters;
- videotape limited school and school-related events.

Technical Theater Program: *Students will*

- operate and maintain all lighting aspects of the auditorium;
- operate and maintain all aspects of the sound equipment in the auditorium;
- operate and maintain the rigging and curtains on the stage.

## **Course-End Learning Objectives**

Students will know all of the necessary aspects of maintaining and operating the equipment used by teachers, staff and students for their presentations both in and out of the classroom. In addition, students will learn how to create needed materials for these presentations through the use of hardware and computers. Students will learn the technique of creating and running both light and sound plots for school theatrical performances, assemblies and meetings, as well as for the Community Education renters of the facility. All of this gives the students the opportunity to work not only with their minds but physically as well.

<b><u>Learning objectives</u></b>	<b><u>Corresponding state standards, where applicable</u></b>
The objective of the course is to 1) make the students proficient in audio/visual and computer skills to help teachers, students and staff be more effective in their presentations and 2) become the light and sound technicians needed for the many varied activities in our auditorium.	
<b>1] Audio/Visual: <i>Students will</i></b> <ul style="list-style-type: none"><li>• understand operation and maintenance of all current A/V equipment, in and out of the classroom;</li><li>• comprehend computer skills needed for A/V work:<ul style="list-style-type: none"><li>a. scanning and Photoshop,</li><li>b. editing, printing and creating jpgs,</li><li>c. Internet use skills,</li><li>d. editing and burning CDs and DVDs.</li></ul></li></ul>	NA
<b>2] Technical Theater: <i>Students will</i></b> <ul style="list-style-type: none"><li>• attain knowledge in the operation and focusing of stage lights;</li><li>• develop skills in the operation and programming of the Auditorium lighting board;</li><li>• know how to set up and control the mixing boards for the Auditorium sound system.</li></ul>	NA

## **Assessment**

This course has a performance-based format. Students are assessed on work produced during the class, in the auditorium or any other platform that the students' abilities are needed. Assessment is an ongoing procedure and rates the students' work in learning and improving their skills within the course requirements. Students are assessed individually on their abilities and interest within the curriculum, and not rated against each other.

**Technology and Health Learning Objectives Addressed in This Course**

**(This section is for faculty and administrative reference; students and parents may disregard.)**

<b><u>Course activity: Skills &amp;/or topics taught</u></b>	<b><u>Standard(s) addressed through this activity</u></b>
1] See: Learning objectives	

**Materials and Resources**

No textbook is used. Manufacturer’s manuals, with new equipment and hands-on training, are used to develop the students’ skills.