

COMMUNICATIONS CLUSTER

T52111 Design Fundamentals (4834)

Open to grades 9-12

2 semesters, 1 credit per semester

Meets requirements of: THD, AHD, Core 40

Note: Fulfills a FA credit

Dual Credit Might be Available

Design Fundamentals introduces students to fundamental design theory. Investigations into design theory and color dynamics will provide experiences in applying design theory, ideas and creative problem solving in the areas of communication technology. Student experiences encompass aspects of art in communication, integration of art in communication and incorporate literacy and presentation skills.

T62311 & T62321 Graphic Design I (7140 & 7141)

Open to grades 10-12

2 semesters, 2 credits per semester

Meets requirements of: THD, AHD, Core 40

Recommendation(s): Design Fundamentals

Dual Credit Might be Available

In Graphic Design I more emphasis will be placed on color and full color process printing. Larger sized projects to fit the larger offset presses will also be included. This course also includes organized learning experiences that incorporate a variety of visual art techniques as they relate to the design and execution of layouts and illustrations for advertising, displays, promotional materials, and instructional manuals. Instruction also covers advertising theory and preparation of copy, lettering, posters, and artwork in addition to incorporation of photographic images. Communication skills will be emphasized through the study of effective methods used to design commercial products that impart information and ideas. Advanced instruction might also include experiences in various printing processes as well as activities in designing product packaging and commercial displays or exhibits.

T62331 & T62341 Graphic Design II

Open to grades 11-12

2 semesters, 2 credits per semester

Meets requirements of: THD, AHD, Core 40

Prerequisite(s): Graphic Design & Layout I

Graphic Design II will include organized learning experiences that focus on theory and laboratory activities in pre-press, press and finishing operations. Emphasis will be placed on elements of design and layout leading to computerized electronic image generation, plate preparation, pressroom operations and finishing techniques. Instructional activities will enhance students' language arts skills through the use of proofreading, spelling and punctuation exercises. The course will include actual production processes in conjunction with classroom assignments embracing the technologies of printing, publishing, packaging, electronic imaging and their allied industries.

T52032 Graphic Imaging Technology (5572)

Open to grades 12

2 semesters, 2 credits per semester

Meets requirements of: THD, AHD, Core 40

Prerequisite(s): Graphic Design & Layout I

Graphic Imaging Technology will include organized learning experiences that focus on theory and laboratory activities in pre-press, press and finishing operations. Emphasis will be placed on elements of design and layout leading to computerized electronic image generation, plate preparation, pressroom operations and finishing techniques. Instructional activities will enhance students' language arts skills through the use of proofreading, spelling and punctuation exercises. The course will include actual production processes in conjunction with classroom assignments embracing the technologies of printing, publishing, packaging, electronic imaging and their allied industries.

T6240I Introduction to Animation (4790)

Open to grades 9-12

2 semesters, 1 credit per semester

Meets requirements of: THD, AHD, Core 40

Introduction to Animation is a course designed to provide a foundational knowledge of the process behind 3D modeling and animation. This course explores the application of the tools, materials, and techniques used to design, produce, use, and evaluate animations. Students will produce traditional and digital media as they apply the principles of animation and design that they will learn in this course. This course will also explore the history of animation and its applications over the past several years. Major goals of this course include building foundational skills in 3D software, learning the workflow for creating 3D models and animation, and learning different ways to apply these tools and concepts to their creative work. Students will have the opportunity to learn industry-standard software including the Adobe Creative Suite, Autodesk Maya, Substance 3D Painter, Blender, and more. Students will utilize the principles of animation and a foundational understanding in 3D software in their creative projects.

T6241I & T6242I 3-D Animation I (7140 & 7141)

Open to grades 10-12

2 semesters, 2 credits per semester

Meets requirements of: THD, AHD, Core 40

Recommendation(s): Introduction to Animation

Dual Credit Might be Available

3-D Animation I introduces and explores three-dimensional animation techniques used by the animation and graphics industry today. This course applies the use of 3-D computer animation, digital video output and a variety of computer technologies to produce digital images. Course assignments stress the use of current strategies to solve two-dimensional layout and three-dimensional modeling problems. Students will be responsible for the design, development and production of a graphics and video based digital animation product.

T6243I & T6244I 3-D Animation II

Open to grades 11-12

2 semesters, 2 credits per semester

Meets requirements of: THD, AHD, Core 40

Prerequisite(s): 3D Computer Animation & Visualization I

Dual Credit Might be Available

3-D Animation II is the second year offering to follow 3-D Computer Illustration and Graphics. This is a continuation of the first-year program. Animation, modeling, graphics, engineering design, electronic publishing and illustration will be studied in greater detail. The student will plan and implement projects approved by the instructor. The projects should demonstrate an advanced level of design competency in computer graphics and be performed in consultation with the teacher and industry advisors. Collaboration with representatives of industry government agencies.

T52242 Interactive Media (5232)

Open to grades 12

2 semesters, 2 credits per semester

Meets requirements of: THD, AHD, Core 40

Prerequisite(s): 3D Computer Animation & Visualization I

Dual Credit Might be Available

Interactive Media is the second year offering to follow 3-D Computer Illustration and Graphics. This is a continuation of the first-year program. Animation, modeling, graphics, engineering design, electronic publishing and illustration will be studied in greater detail. The student will plan and implement projects approved by the instructor. The projects should demonstrate an advanced level of design competency in computer graphics and be performed in consultation with the teacher and industry advisors. Collaboration with representatives of industry government agencies.

T62101 Introduction to Radio & Television (4790)

Open to grades 9-12

***meets at East**

2 semesters, 1 credit hour per semester

Approximate cost per year: TBD

Meets requirements of THD, AHD, Core 40

This course sets the foundation for good storytelling by introducing the concepts of radio and television broadcasting. All forms of television field production are taught, including how to properly shoot video, interview subjects, light scenes, write for broadcast, and care for equipment. Students will also learn how to properly edit both video and audio using the Adobe Creative Suite, including Premiere Pro and Audition. Hands-on experience in both the control room and the studio with the Carbonite video switcher, Xpression graphics, the audio mixer and studio cameras are also included. Radio instruction consists of training on industry standard software (WireReady), scripting for radio, interviewing, and an introduction to podcasting.

T62111 & T62121 Radio & Television I: East (7139 & 7306)

Open to grades 10-12

2 semesters, 2 credits per semester

Meets requirements of: THD, AHD, Core 40

Recommendation(s): Introduction to Radio & Television

Dual Credit Might be Available

Radio and Television I concentrates on storytelling through the production and delivery of TV and radio format announcements. The television production process will be taught from start to finish. Students will learn directing, audio mixing, technical directing, studio camera operation, teleprompter operation, and video graphics. This will include extensive instruction on and use of the Carbonite Video Switcher and Xpression Graphics. Student crew members will often be required to cover events outside of the school day.

T62131 & T62141 Radio and Television II: East (5992)

Open to grades 11-12

2 semesters, 2 credits per semester

Meets requirements of: THD, AHD, Core 40

Prerequisite(s): Radio and Television I

This course continues to develop and enhance storytelling competencies utilizing both media formats radio, and television. Emphasis is placed on scripting, on-air delivery, television producing, advanced editing, writing, and TV directing. Event coverage, news reporting, and full production projects are

required in both mediums. Radio projects include the development, scheduling, production, and formatting of school announcements and podcasts. Note: Student crew members will often be required to cover events outside of the school day.

T6221 I & T6222 I Radio and Television I: BNN (7139 & 7306)

T6223 I & T6224 I Radio and Television II: BNN (5992)

Open to grades 10, 11, 12

2 semesters, 2 credits per semester

Meets requirements: THD, AHD, Core 40

Prerequisite(s): Journalism I

Application, interview and portfolio required for crew positions.

Note: Student crew members are often required to spend several hours before and after-school.

Radio and Television I & II provides instruction to develop and enhance competencies in various communication, marketing, media, production and technical functions and tasks performed by employees, including management personnel in TV broadcasting and telecommunications occupations. Students will participate in the CNHS videos and filmed magazine programs.