Institute for Interactive Design Technology
@ Northern Valley Regional High School—Demarest
@ Northern Valley Regional High School—Old Tappan

Clubs & Activities

Academic Decathlon
All School Production
Archery Club
Art Club
Band Groups
Biology Club
Book Club
Building Report
Chess Club
Chinese Club
Computer Science
Dance Team
Debate Team
Drama Club
Earth Club
EMS
FBLA
Foods Club
Film Making Club
French Club
Freshman Advisor
Gifted and Talented
Hand in Hand Club
Heroes and Cool Kids
Honor Society
Instrumental Group
Intramurals
Investment Club
Italian Club
Japan Club
Jazz Club
Junior Advisor
Junior States of America
Latin Club
Library Council
Literary Magazine
Mathematics Team
Media Club
Media Tech Club
Military History Club
Multicultural Club
National Art Society
New Traditions
Newspaper
Organic Gardening Club
Panda
Peer Mediation
Peer Mentor
Photography Club
School Photographer
Science Team-Biology
Science Team-Chemistry
Science Team-Physics
Senior Class Advisor
Ski Club
Sophomore Class Advisor
Spanish Club
Spectrum
Stage Crew
Student Council
Student-Faculty Senate
Technology Student Association
Tri Music Honor Society
Vocal Groups
Yearbook
Varsity Club

Athletics

FALL:
Football
Boys/Girls Soccer
Boys/Girls Cross Country
Girls Tennis
Girls Volleyball
Cheerleading
Field Hockey

WINTER:
Boys/Girls Basketball
Boys/Girls Bowling
Boys/Girls Indoor Track & Field
Ice Hockey
Boys/Girls Swimming
Wrestling

SPRING:
Baseball
Softball
Boys/Girls Golf
Boys/Girls Lacrosse
Boys Tennis
Boys/Girls Track & Field

A Bergen County Technical Schools Career & Technical Education satellite high-school program
What is Interactive Design?

Interactive Design is a Career & Technical Education program that introduces students to the exciting field of UX/UI Design. UX refers to User Experience Design, while UI refers to User Interface Design. This evolving multidisciplinary field underlies many of today's fastest growing industries, including web-based communications, advertising, and entertainment. UX/UI design is driven by the imperative to design something that meets a user’s needs, and inspires consumers to want to engage with a digital product.

Today’s designers must be entrepreneurs observing market trends, exploiting innovation, creating intellectual property, and applying aesthetic solutions to enhance the value of a product, service or experience. In this course, students will witness UX design at work and evaluate its effectiveness through movies and television, video games, mobile technology, hardware, museum exhibits and of course, the web. Throughout, students will also be introduced to a variety of technology hardware and software, including virtual reality, app design, and 3D modeling software, to name a few.

CTE Courses

Essentials of Interactive Design—A comprehensive overview of Interactive Design. Students will become well-versed in the principles of user-centered design, including underlying the underlying psychology and sociology that guides user design.

Design Strategy and Information Architecture—A hands-on course where the primary focus will be to design a user interface that addresses a problem or need.

Visual Design—A course focusing on the aesthetics behind successful design.

Interactive Design Studio—A project-driven and product-based capstone course.

Profile of an Institute for Interactive Design Technology Student

- A student who desires both an academic and technical educational environment that focuses on the application of visual design, psychology, business, and technology to improve human-computer interaction.

- A student with a 3.0-3.4 gpa and proficient scores on the NJSLA/Terra Nova who demonstrates the desire to challenge her/himself in college-level career and academic coursework.

Scope and Sequence

9th Grade:
CTE Course—Essentials of Interactive Design
Science—Biology
Math—Algebra I, Geometry, or Algebra II Honors **
Social Studies—U.S. History I
Language Arts—English I
World Language—Multiple World Languages are Available
Health & PE—Health & PE 9

10th Grade:
CTE Course—Design Strategy and Information Architecture
Science—Chemistry
Math—Geometry, Algebra II, or Pre-Calculus Honors **
Social Studies—U.S. History II
Language Arts—English II
World Language—Multiple World Languages are Available
Health & PE—Drivers’ Ed & PE 10

11th Grade:
CTE Course—Visual Design
Science—Physics
Math—Algebra II, Pre-Calculus, AP Calculus AB or BC, or AP Stats **
Social Studies—World History
Language Arts—English III
World Language—Additional World Languages/Elective Available
Visual & Performing Arts—Requirement fulfilled through CTE Course
Health & PE—Health & PE 11

12th Grade:
CTE Course—Interactive Design Studio
Science—Electives Available
Math—AP Stats (Recommended), or Pre-Calculus, Calculus, AP Calc AB or BC, Discrete Math, or Trigonometry and Statistics **
Social Studies—Financial Literacy
Language Arts—English IV
World Language—Additional World Languages/Elective Available
Health & PE—Health & PE 12
Financial Literacy—PFL requirement fulfilled through virtual, hybrid, or approved electives

Optional electives offered in each grade. AP Comp Sci recommended as senior year elective.

* Course titles in red represent dual-enrollment classes where students earn both high school and college credits.

** Courses are contingent upon placement test results

Scope and sequence details are subject to change.