

## Clubs & Activities

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

## Athletics

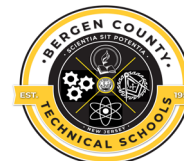
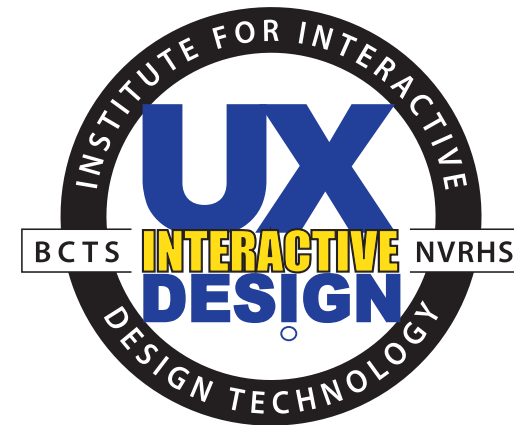
<b>FALL:</b>	<b>WINTER:</b>	<b>SPRING:</b>
Football	Boys/Girls Basketball	Baseball
Boys/Girls Soccer	Boys/Girls Bowling	Softball
Boys/Girls Cross Country	Boys/Girls Indoor Track & Field	Boys/Girls Golf
Girls Tennis	Ice Hockey	Boys/Girls Lacrosse
Girls Volleyball	Boys/Girls Swimming	Boys Tennis
Cheerleading	Wrestling	Boys/Girls Track & Field
Field Hockey		

## BERGEN COUNTY TECHNICAL SCHOOLS NORTHERN VALLEY REGIONAL HIGH SCHOOL

# INSTITUTE FOR INTERACTIVE DESIGN TECHNOLOGY

@ Northern Valley Regional High School—Demarest

@ Northern Valley Regional High School—Old Tappan



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