Great Neck Public Schools

High School Technology Curriculum

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Integration of Technology Across the Curriculum

- School-wide
- Department based
- Accessible as-needed
- Routine and transparent
- Supports Common Core Standards
Digital Storytelling

- The practice of using digital tools to create short media presentations.
- Combines the use of videos, images, text, audio, etc. with narrative to present information.

iMovie

Animoto

Weebly

Book Creator

GoAnimate

Comichead
Digital Submission of Student Work: Turnitin.com & Google Classroom

- Paperless submissions
- Cross disciplinary use
- Plagiarism detection
- Formative assessment to help improve student writing
- Online grading and teacher feedback
- Peer review and student feedback
Collaboration & Educational Social Networking: Google Apps & Edmodo

Online classroom environment:

- Assigning and submission of work is paperless.
- Online discussions take place among students and teacher.
- Important class messaging occurs via email or text message.
NoodleTools is a web-based student research service that:

- Helps students correctly cite and track sources.
- Aids in note-taking and outline development.
- Facilitates collaboration with classmates and teachers.
- Formats bibliography for printing.
Digital Resource Collections

- magazines, newspapers & journals
- ebooks
- reference book excerpts
- photographs & images
- web sites
- maps
- videos

**Classroom Video on Demand** - streaming videos from Films form the Humanities


**Overdrive** - downloadable ebooks
**Student Response Apps: Socrative and Nearpod**

- Interactive assessment
- Real time questioning
- Instant results and visualization
- Gauge whole class understanding
- Adjust teaching based on assessment

### Exit Ticket

<table>
<thead>
<tr>
<th>Room number</th>
<th>95641</th>
</tr>
</thead>
</table>

**How well did you understand today's material?**
- Totally get it!
- Pretty well.
- Not very well.
- Not at all, need help.

### Example Question

> If there is more food available for mice, they reproduce more often. Coyotes eat the mice, increasing their population. When the number of mice decreases, then the coyote population returns to its original size.

<table>
<thead>
<tr>
<th>Student</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alex</td>
<td>This is an example of dynamic equilibrium.</td>
</tr>
<tr>
<td>ANNIE</td>
<td>This is an example of equilibrium.</td>
</tr>
<tr>
<td>Ashley</td>
<td>This is an example of equilibrium.</td>
</tr>
<tr>
<td>Bella</td>
<td>This is an example of dynamic equilibrium.</td>
</tr>
<tr>
<td>Chrisse</td>
<td>This is an example of resilience.</td>
</tr>
<tr>
<td>colton</td>
<td>This is an example of equilibrium., This is an example of dynamic equilibrium.</td>
</tr>
<tr>
<td>jacob</td>
<td>This is an example of equilibrium., This is an example of dynamic equilibrium.</td>
</tr>
</tbody>
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Technology Based Courses

Department Electives
Art
Math
Performing Arts
Business/Technology
Art: Digital Photography & Graphic Design

- Digital Photography sequence:
  - Digital Darkroom I & II
  - Advanced Photography
  - AP Photography

- Graphic Design: students learn to design for communication

- Students learn principles of digital design

- Adobe Creative Suite CS6 and digital printing

- Students create media-rich portfolios to display their work

Student Sample
Math: Programming Sequence

- Project based classes
- Course includes competitive coding with classmates with the expectation of creating a computer game as the end product
- Language: Java
- Computer Science Sequence:
  - Intro to Programming
  - AP Computer Science
Performing Arts:
Introduction to Music Technology

- Introduced to music theory
- Create electronic music compositions
- Learn multitrack recording
- Learn to play on digital synthesizer
- Use Logic Express software to create original pieces
Business Department Courses

- Career and Finance
- Sports Marketing
- Sports Management
- Investments
- E-Commerce
- Business of Music
- Business Planning
- Fashion Marketing I & II
- Advertising
- Internet & Web
- Advanced Web Design

- College Accounting
- College Marketing
- International Business
- Business Law
- Principles of Business Management
Technology Department Courses

- Introduction to Engineering
- Individual Projects
- Furniture Design
- Know Your Car
- Vide Communications
- PC Repair
- Fire Service Technology
- Set Design

- Architecture
- Advanced Architecture
- Robotics
Clubs & Activities

- Robotics
- DECA
- Set Design
- Car Club
- Computer Club
- Photography
- Web Design
- Electronic Athletics Club