



DELSEA REGIONAL HIGH SCHOOL DISTRICT

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The Delsea Regional School District Curriculum, in alignment with the "2020 New Jersey Student Learning Standards – Computer Science and Design Thinking" (NJSLS-CSDT), integrates these standards across grades 7-12 through a series of well-structured and innovative strategies.

In each grade level, the curriculum weaves computer science and design thinking principles into a variety of subjects, promoting an interdisciplinary learning experience. This approach allows students to see the practical application of computational concepts in areas like mathematics, science, and even the humanities, thereby fostering a deeper understanding and appreciation of these skills in real-world contexts.

Project-based learning is a cornerstone of the curriculum, engaging students in hands-on, collaborative projects that require them to apply their learning in computer science and design thinking. These projects challenge students to solve complex problems, think critically, and innovate, preparing them for future academic and professional pursuits.

Technology plays a central role in the curriculum, with state-of-the-art tools and platforms integrated into the learning process. Students gain proficiency in coding, digital design, and collaborative online tools, equipping them with the digital literacy skills essential for the 21st century.

The curriculum places a strong emphasis on developing key skills such as critical thinking, collaboration, creativity, and problem-solving. Through a variety of instructional strategies, students are encouraged to think outside the box, work effectively in teams, and approach challenges with innovative solutions.

Inclusivity and diversity in computing are paramount. The curriculum ensures that all students, regardless of background, have equal access to computer science education. This inclusive approach aims to broaden participation in the field and cultivate a diverse generation of future technologists.

Assessment within the curriculum is comprehensive and varied, including both formative and summative evaluations. These assessments are designed to measure not just the students' knowledge, but also their ability to apply what they have learned in practical and innovative ways.

The district invests in continuous professional development for its educators, keeping them at the forefront of computer science education trends and teaching methodologies. This professional growth translates into a more effective and engaging learning experience for students.

Community engagement is another key aspect, with the curriculum fostering partnerships with local businesses, higher education institutions, and community organizations. These partnerships provide students with real-world exposure to computer science and design thinking applications, enhancing their learning experience.

The curriculum is subject to ongoing review and updates, ensuring it remains relevant and aligned with both the NJSLS-CSDT standards and the evolving needs of the industry. This dynamic approach to curriculum development ensures that Delsea Regional School District students are well-prepared for the challenges and opportunities of the digital age.