



The diagram illustrates four categories of school quality metrics, each represented by a light gray box with a title and a list of associated metrics in dark blue boxes:

- Academic Achievement**
 - % Math Proficiency
 - % Spanish Proficiency
 - Growth (grades 4-8) College Board (grade 11)
- Graduation Rate**
 - Graduation Rate (High School)
 - % English Proficiency (Elementary and Secondary Schools)
- % Progress Spanish Language Proficiency**
 - % Progress SL Test
- School Quality**
 - Teacher's Attendance
 - Student's Attendance
 - Participation Rate



U.S. Virgin Islands Master Plan & Bridging Documents

St. Croix, USVI
USVI Department of Education

The U.S. Virgin Islands (USVI) Department of Education selected DLR Group to conduct an educational facilities master plan that has set a new direction for education in the USVI. The master plan encompasses more than 2.7 million SF of educational space in 45 facilities, serving 10,700 students, across St. Croix, St. John, and St. Thomas. This portfolio of aging schools is rapidly deteriorating in the tropical environment and many buildings have been further damaged by the 2017 Category 5 hurricanes over the years. The four primary components of the master plan address spatial agility, school safety, sustainability, and community partnerships. These components are informed by a comprehensive set of guiding principles for learning environments in the USVI established by more than 45 stakeholders with multiple meetings over a 6-month duration. Participants included government officials, educational leaders, teachers, students, parents, community, and industry partners.

The scope involved the delivery of Master Plan Design Guidelines, building programs, sustainable and energy goals, and design concepts to create next generation learning environments on 18 consolidated campuses. Following a successful master planning effort, DLR Group was retained to complete design documents for the first five projects prioritized in the master plan. These bridging documents directly integrate ideas from the master plan and were issued as part of the request for proposals for design/build teams. Design and construction of new and modernized schools are phased with a target completion date of 2025.



Key Project Components

- Data Driven
- Context & Culture
- FEMA and Industry Standards

Project Duration: January 2020 - June 2020
Size: 2.7 million SF, 45 facilities
Enrollment: 10,700 students
Project Value for Overall Master Plan: \$2 Billion

[View the completed master plan here.](#)

[View a video about our process here.](#)



The space curricula scores were analyzed and input to create a dashboard for every school. The dashboard indicates how well the building supports or impedes a teacher ability to deliver curriculum.

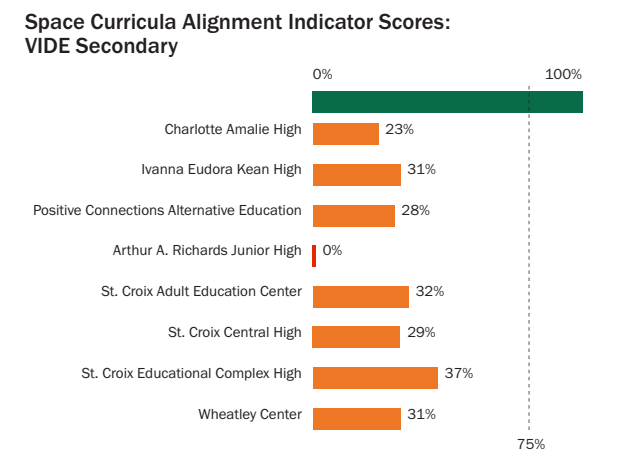
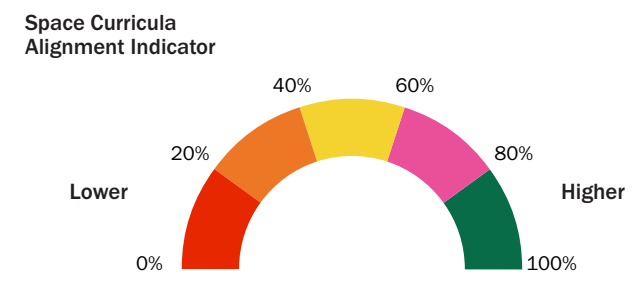
Space Curricula Alignment Scores

Each facility received an overall score, within a range of 0-100%.

The total score is the product of assessments in six subcategories, tied to the space curricula alignment indicators outlined at right and displayed on each of the dashboards.

Note: If a school was completely reliant on modulares, it automatically received a score of 0%, as modulares do not provide future-facing solutions.

01. Community Resource
Culture, Community Connections & Wayfinding
02. Stimulating Architecture
Performance & Condition of Physical Space
03. Safe and Secure Supervision and Security
Safety, Security & Site Functionality
04. Learning Environments that Connect
Real-World Experiential Learning
05. Flexibility
Flexible Space, Accommodations, Utilization & Adaptable Furniture for Day-to-Day Use and Over Time
06. Comfortable & Healthy
Natural Day-Lighting, Adjustable Lighting, Appropriate Acoustics, Thermal Comfort, Well Being & Engagement



One of the guiding principles was to celebrate how culture and context should shape the architectural outcomes of the Master Plan. The architecture in the U.S. Virgin Islands has a long history of respecting the environment which became a key component of the approach to high performance design.

Vernacular Architecture - Historical Continuum

