



Sustainable Jersey for Schools Certification Report

This is the Sustainable Jersey for Schools Certification Report of Mountain View Elementary School (Morris), a Sustainable Jersey for Schools bronze certified applicant.

Mountain View Elementary School (Morris) was certified on August 24, 2021 with 185 points. Listed below is information regarding Mountain View Elementary School (Morris)'s Sustainable Jersey for Schools efforts and materials associated with the applicant's certified actions.

Contact Information

The designated Sustainable Jersey for Schools contact for Mountain View Elementary School (Morris) is:

Name:	REBECCA KREIDER
Title:	DEPARTMENT CHAIR, STEAM
Address:	227 US 206 #10 FLANDERS, NJ 07836
Phone:	9732144921

Actions Implemented

Each approved action and supporting documentation for which Mountain View Elementary School (Morris) was approved for in 2021 appears below. Note: Standards for the actions below may have changed and the documentation listed may no longer satisfy requirements for that action. Additionally, points associated with actions prior to 2013 certifications may not be accurate.

Digital Learning Leadership

District Commitment to Digital Learning

15 Points

🏅 Bronze Priority 🏅 Silver Priority District

Program Summary: Digital Learning has been taking place in the Mount Olive Township School

District for well over two decades. In the past technology was used to support the learning process and was not the main vehicle to generate a new product. In today's ever changing world, especially in the current status of education while in this pandemic, digital learning not only enhances learning and allows our students to create unbelievable work products, but allows learning to take place remotely as well as in person. Our district currently provides 1:1 chromebooks for all highschool and middle school students. The staff of MOTSD has access to products such as, Z Space, B-STEAM, just to name two. Professional development opportunities are provided to develop an understanding of how digital tools enhance the curriculum. Our students must engage in the most current technological advances to allow them to thrive in an ever changing world. It is the commitment of our IT department to manage both hardware and software applications, so that a safe learning environment can be afforded to all students. Technology allows our educators to diversify and personalize tasks to optimize learning. Students are able to be self-directed and use various tools to demonstrate their mastery of the assigned skills. Our district is committed to implementing access to digital learning 24/7 to all of our students so that learning is equitable. Analysis of surveys has allowed us to identify the necessity to provide devices for all of our students and our future plan is to have 1:1 technology for all students in the district. Digital learning will assist out students to thrive and be ready for whatever their future holds

PDF: [DIGITAL LEARNING VISION STATEMENT.PDF](#)

PDF: [PROVIDING TECHNOLOGY TO PUPILS POLICY.PDF](#)

PDF: [MOUNT OLIVE TOWNSHIP SCHOOL DISTRICT GOALS \(1\).PDF](#)

PDF: [STRATEGIC PLAN EXCERPTS.PDF](#)

PDF: [COMMITMENT TO DIGITAL LEARNING SUBMISSION FORM MOTSD \(1\).PDF](#)

PDF: [DIGITAL LEARNING BUDGET ITEMS.PDF](#)

Equitable Access to Digital Learning

15 Points

 Bronze Priority  Silver Priority District

Program Summary: Teachers and students in the district have equitable access to our building/district hardware, services, and the seamless wireless Internet for teaching/learning. Our technology and social media survey demonstrates that we have taken steps to assess our faculty's thoughts in regard to the accessibility of computers, programs, and use of social media, etc. All students and teachers have access to G Suite for Education Core Services to allow for continuity across the district. The district has made it a priority to provide digital resources to students in need so that all students may equally benefit from digital learning. Based on survey data, it was clear that some families did not have access to mobile computing or reliable internet access. MOTSD provided Chromebooks to all students 6-12 and jetpacks to families that didn't have wifi.

PDF: [DIGITAL LEARNING BUDGET ITEMS.PDF](#)

PDF: [EQUITABLE ACCESS TO DIGITAL LEARNING \(1\).PDF](#)

Digital Learning Practices

Authentic Application of Digital Learning Tools and Content

15 Points

School

Program Summary: Mountain View Elementary School has made authentic digital learning a priority amongst all their students and staff. The school has made it a priority to make sure all students have access to WiFi and a laptop. Due to the circumstances of virtual learning this has proved invaluable in allowing students to seamlessly continue their learning paths. The district uses Google Classroom as their learning platform and every teacher at Mountain View has their own classroom(s) for students to access materials and information. Most district curriculum resources are compatible with Google thus allowing both teachers and students to share and access materials/activities through this main hub. Through professional development on Google Classroom, PearDeck, Breakout Rooms and a variety of other hybrid teaching strategies teachers have been empowered to implement these throughout their lessons making them more authentic for learners. By using these digital tools (PearDecks, Nearpod, Flipgrids, Smart Notebook, etc.) students are able to participate in authentic digital learning. Students can work at various paces, work can be differentiated, various learning tools are accessible to assist those with needs, feedback is given and student engagement is high for those learning in various environments. The slides attached provide sample lessons where these digital tools have been used throughout grade levels and content areas in Mountain View School. Additional documentation is also attached with schoolwide digital use examples.

PDF: [MOUNTAIN VIEW AUTHENTIC APPLICATION OF DIGITAL LEARNING SUBMISSION FORM](#)

PDF: [ADDITIONAL EXAMPLES OF DIGITAL LEARNING](#)

PDF: [LESSON PLANS AND STUDENT EXAMPLES OF AUTHENTIC APPLICATION OF DIGITAL LEARNING](#)

Digital Citizenship

10 Points

 Bronze Priority  Silver Priority District

Program Summary: At the Mount Olive Township School District, Digital Citizenship is of the utmost importance as we continually integrate digital tools and learning into our learning community. Mount Olive has a clear vision of future goals that includes Digital Citizenship integrated in many ways. In fact, learner priority number one is to “provide the most innovative and safe learning environment possible for the entire District community.” Mount Olive has implemented this in several ways and has prioritized this as the remote and hybrid learning has taken center stage during this school year in particular. The “Digital Citizenship” plan includes a mission statement and clear vision that emphasizes not only the education, dynamism, and inspiration that can accompany using digital tools, but also that this is a safe and nurturing place to do so. The plan includes clear and concise safety measures for staff and students alike to implement when using digital means of communication and learning. Digital citizenship has been implemented in several curricula, including health and technology courses. This allows students to engage with the “Acceptable Use Policy” as well as other aspects of using technology appropriately and safely. Staff are provided with training and can choose to become technology coaches that provide assistance and vital information to staff members who may not be as well versed in the digital world. GCN training is also mandated for staff to get a basic understanding of the high standards with which they are expected to use technology with students and staff members alike. Teachers use this knowledge to turn-key and guide students in using the internet safely; students and staff alike protect their privacy, as well as avoid and deal appropriately with cyberbullying.

PDF: [EMPLOYEE ACCEPTABLE USE POLICY](#)

PDF: [MOTSD DIGITAL CITIZENSHIP PLAN, CURRICULA, EVIDENCE, ETC](#)

PDF: [STUDENT ACCEPTABLE USE POLICY](#)

Personalized Learning and Growing Independent Learners

15 Points

School

Program Summary: Mountain View Elementary School values personalized learning as well as the voices and thoughts of every student enrolled. Each teacher, across all subjects areas, encourages students to create personalized goals, partake in project based assessments and reflect on their own education. Students are able to identify goals for themselves, self monitor their growth and spend time identifying their own learning process. Teachers allow for personalized learning through small group instruction, modifying curriculum and tailoring materials to meet specific individual needs. Using different data, and fingertip profiles, teachers are able to see what each of their students thrive at, as well as topics that could use extra support. Mountain View has a scheduled time throughout the day named WINN (What I Need Now), that allows students and teachers to work closely together and receive extra support or complete higher thinking extension activities. Differentiation can also be seen through student choice assignments. For example, teachers throughout the school allow students to choose different assignments from a variety of choice boards, allowing them to complete their assignment in a platform in which they feel comfortable. This student choice helps develop cross curricular skills and promotes self motivation to become independent learners. Attached are three sample Personalized Student Plans (PSPs) that were created from Pre-K through 5 grades. Also, attached are the slides that guided the teachers on how to help facilitate students in their creation of their PSPs. Five lesson plans and student work samples are attached in a slide deck as well.

PDF: [3 EXAMPLES OF PERSONALIZED STUDENT PLANS](#)

PDF: [PERSONALIZED LEARNING PROFESSIONAL DEVELOPMENT SLIDES](#)

PDF: [LESSON PLANS AND STUDENT WORK](#)

PDF: [PERSONALIZED LEARNING SUBMISSION FORM](#)

Digital Technology Access

Data Safety and Security Policy

10 Points

District

Program Summary: The Mount Olive Township School District is committed to providing a robust digital environment that supports the students and staff safely and efficiently. To support this effort, we have adopted policies, procedures, and best practices for using our network appropriately. We have plans to protect our environment from a cyber security threat, plans to react to a breach of our network, countless Digital Safety and Security lessons for our students, and acceptable use policies for our staff and students.

PDF: [MOTSD CYBER SECURITY PLAN.PDF](#)

PDF: [DATA SECURITY SUBMISSION DOC DIGITAL SCHOOLS.PDF](#)

PDF: [ABRIDGED DIGITAL CITIZENSHIP_SAFETY_SECURITY.PDF](#)

Digital Device Life Cycle Management

10 Points

District

Program Summary: Mount Olive Township School District maintains documentation for the lifespan of hardware and software in our inventory databases and our SchoolDude workflow application. Accurate refresh cycles for all hardware and software are monitored and hardware is properly decommissioned. The Mount Olive School District utilizes a 5 - 7 year lifecycle plan for all instructional equipment. In addition, most infrastructure hardware utilizes a 3-5 year lifecycle. The following factors play a role in determining the lifecycle of instructional equipment. Instructional needs are based on curriculum requirements, budget, end of warranty, support and sales. When a device reaches the end of its life cycle, it is placed in a storage room, catalogued, and prepped for surplus removal. Urban Renewal will pick up the equipment and determine usability. For end user devices that still function but may not fit our needs, Urban Renewal will distribute them to a Job Placement Program for young adults. Devices not deemed usable are sent to recycling organizations for the extractions of precious metals and the plastic components.

PDF: [DISTRICT HARDWARE INVENTORY](#)

PDF: [SOPS PROPER DECOMMISSIONING.PDF](#)

IMAGE: [LIST OF DECOMMISSIONED ASSETS \(1\).JPG](#)

PDF: [MT OLIVE BOARD OF EDUCATION NETWORK EQUIPMENT EOL - EOS - JIM NEGLIA.PDF](#)

PDF: [INVENTORYDIRECT GETTING STARTED.PDF](#)

PDF: [RESUBMISSION DOC](#)

Infrastructure

10 Points

District

Program Summary: The Mount Olive School District has an enterprise level wireless infrastructure that is ubiquitous, robust and efficient. This anytime, anywhere access allows the students and staff to move freely and be mobile throughout the building and their classrooms. The network has been designed with growth in mind to anticipate future needs. We have wireless access points in each classroom and in our common areas. Our classrooms are equipped with a multitude of Chromebooks and Laptops, which easily connect to our wireless network. Staff members' personal devices can also connect securely to our "Guest Network." Each classroom can support 1 to 2 devices per student with a maximum throughput of 1000 Mbs. Our wireless controllers and Power-Over-Ethernet switches provide support for over 400 Access Points. If one access point were to fail, there is enough wireless coverage in each classroom and common areas to ensure users do not lose wireless connectivity. Core infrastructure components have redundancy and are backed up with uninterrupted power supplies. Our Wi-Fi heat map shows real-time coverage and signal strength and our network diagrams show our data center, access points, MDFs, IDFs, and our network operations center. We also included links to our wireless equipment inventory and the output from the wireless controller showing connected device types and band. All of our network equipment is backed up by our school-wide Cisco Smartnet warranty and other equipment is serviced under vendor contracts with SLA agreements. Additionally, we utilize 24/7

network monitoring software that constantly monitors our infrastructure components and sends a notification for any critical issues. Additionally, the process to evaluate network hardware and devices is often based on reports. Upgrades based on increased bandwidth usage, bottlenecks and congestion identified on internal links, new switches to accommodate an increase in packet traffic, and the need for additional access points, necessitate infrastructure upgrades. The Network Engineering and his team identify the number and types of infrastructure components necessary, based off ad-hoc and scheduled reports and the number of reports of students and teachers having issues. Once the cause of the problem is identified the necessary equipment to address the problem is researched. Based on our existing Service Level Agreements and existing technology, new additional or replacement equipment is identified. The Network Engineer and his head of hardware construct a presentation based on their needs analysis, problem statement, and solution. They present their findings to the Executive Director of Personnel and Innovation, who then reviews the data provided. If she approves, the business administrator approves the purchase and the Network Engineer places the order. The equipment is evaluated periodically to ensure the problem is solved.

PDF: [WIRELESS NETWORK INFRASTRUCTURE](#)

PDF: [DISASTER RECOVERY PLAN.PDF](#)

PDF: [INFRASTRUCTURE.PDF](#)

PDF: [INFRASTRUCTURE RESUBMISSION](#)

Support for Digital Teaching and Learning

20 Points

District

Program Summary: The MOTSD Technology Support Organization, led by our Executive Director of Innovation and Personnel, consists of a lead engineer and technology personnel well versed in managing technology infrastructure and support resources. Our network operations center serves as the hub for all core networking services, server workloads, and distribution of internet access. This organization is responsible for evaluating and implementing technology resources and crafting service level agreements. Technology Coaches are located within each of our six buildings and are the first line of support for our staff. Based on input from the faculty and staff, they identify necessary instructional technology hardware and software and work through the Lead Technology Coach and the Technology Support Organization. technology acquisition process managed through Google Forms

PDF: [TECHNOLOGY SURVEY RESULTS - FORM RESPONSES 1.PDF](#)

PDF: [DIGITAL TEACHING AND LEARNING SUPPORT ACTION PLAN.PDF](#)

PDF: [SUPPORT FOR DIGITAL TEACHING AND LEARNING.PDF](#)

Learning Environment

Future Ready Schools - New Jersey Certification

10 Points

School

Program Summary: Mount Olive Township School District's focus during the Future Ready Schools New Jersey process has been one of self-assessment and reflection. The process led us through a journey of data collection, redefining missions and visions, strengthening community partnership and outreach, and crafting personalized learning plans for our students, all while shifting to digital instruction and learning. We have identified educational and leadership practices where we are thought leaders, where we are simply meeting the marks, and most importantly identified our areas for growth. It is easy to show your strengths - but not so easy to admit your current shortcomings and vulnerabilities. We recently had a reorganization at the district-level to emphasize the need for blended, personalized, and social and emotional learning. We implemented Rubicon Atlas to manage our curriculum, chose a new learning management system, began pursuing a 1-1 device implementation, and have always made data-driven decisions. Our technology infrastructure is solid, we have effective board policies, and efficient procedures. Our flagship leadership indicator was our digital instruction and learning technology and associated support services. Our formidable infrastructure, ubiquitous access, and water-tight processes for inventory management, lifecycle and refresh planning and proper decommissioning, enables our technology to remain stable and reliable. We partner with a Urban Renewal Corporation who repurposes our sunsetted equipment and ensures it gets into the hands of people who need it most. Our recently created Operations Support Manual and District Data Matrix ensures our procedures and policies are aligned with the district and the management of our data is more streamlined. Pursuing Future Ready certification led to many new steering committees, policies, and procedures that make our district more efficient.

PDF: [FUTURE READY TWEETS.PDF](#)

School Culture and Climate

Social Emotional Learning Integrated Unit

10 Points

School

Program Summary: Mount Olive School District has shown their commitment to integrating social-emotional health and wellness as a priority in several ways. Students in the fifth grade at Mountain View Elementary have learned about the importance of understanding a variety of perspectives. Through their introduction to learning about history and Early Exploration, students discussed always looking at all perspectives when learning about historical events. The Education for Sustainability Standards & Performance Indicators that are addressed are those within the Multiple Perspectives Core Standard. Students worked to recognize and work to dismantle prejudice and discrimination, recognize and value the strength in diversity and recognize self worth and rootedness in one's own culture and community.

PDF: [SEL QUESTIONNAIRE](#)

PDF: [LESSON PLAN](#)

Student & Community Outreach

Green Team

10 Points

 Bronze Required School District

Program Summary: During the second half of the 2020-2021 school year, after board approval, members of the Mount Olive School District Green Team agreed to meet at the beginning of the year in September to have an introductory kick off meeting. We will meet and craft a mission and goals for the school year along with establishing a quarterly meeting calendar. We used the New Jersey Sustainability Digital Star Actions to drive our objectives. The process of completing each action was one of great self-reflection of our accomplishments as a district as well as an enlightenment to areas in which we can achieve growth through the development of plans, implementation of programs, and designing educational opportunities that support a sustainable school.

PDF: [JOIN THE GREEN TEAM.PDF](#)

PDF: [GREEN TEAM ANNUAL REPORT 2021.PDF](#)

IMAGE: [GREEN TEAM.JPG](#)

Enrichment Programs through Partnership

10 Points

School

Program Summary: Fifth grade students at Mountain View School participate in the LEAD program in partnership with the Mount Olive Township Police. This program takes place during the school day during the year. Students engage in an 10 week program where officers come in and lead lessons. The lessons discuss making good choices, decision making, drugs and alcohol. Through this program students develop a relationship with the officers as well as knowledge of their job. Students learn to be responsible members of their community and peer groups as they move forward into the middle school the following year. Attached is a description of the program and slides of student work and lessons with the officers.

PDF: [ENRICHMENT PROGRAM.PDF](#)

Student Learning

Education for Sustainability Pre-Kindergarten

5 Points

School

Program Summary: Pre-K students at Mountain View complete a unit within their curriculum titled Growing Up Healthy. In this unit students learn about first aid, what to do when they are sick and keeping their bodies healthy. By learning about their own wellness and staying healthy

students are prepared at a young age to become healthy participants in their community and the environment around them. Students learned content through literature, applied their learning through the use of digital Jamboards and/or hands on activities. Teachers assessed students through teacher observation of their responses/activities and a 1-4 rubric scale.

PDF: [PRESCHOOL SUSTAINABILITY LESSON QUESTIONNAIRE.PDF](#)

PDF: [LESSON PLAN AND STUDENT WORK](#)

Education for Sustainability 3rd Grade

5 Points

School

Program Summary: Third grade students at Mountain View complete a Life in the Ecosystem unit as part of their science curriculum. As part of this unit students learn about the life cycles of various plants and animals. Through their learning students gain an understanding of the importance of taking care of the plants and animals that live in our ecosystem. Students also get a hands on look of these life cycles by growing caterpillars and watching the butterfly life cycle take place in a butterfly garden housed in each classroom. This authentic, hands on learning experience allows for students to immerse themselves in their understanding of how delicate the life cycle of plants and animals can be and the importance of preserving our environment and the protection of habitats/animals. Attached are slides with the standards, lesson plan and copies of student work involved in this particular lesson.

PDF: [3RD GRADE SUSTAINABILITY LESSON QUESTIONNAIRE.PDF](#)

PDF: [LESSON PLAN AND STUDENT WORK](#)

Education for Sustainability Grades 4-12 English Language Arts

5 Points

School

Program Summary: Connecting celebrating Earth Day and the fourth grade Informational writing unit, fourth grade students at Mountain View Elementary School completed a research assignment based upon alternative sources of energy. As part of the fourth grade unit of informational writing, students worked on a research writing piece that was presented via Google Slides. Students learned about the importance of looking into alternative energy sources such as wind and water power. Students worked in groups to research an alternative source of energy and create a Google slide presentation of their information. Students presented their information to their peers and teachers as part of their final presentation. Attached is a slide deck that contains the lesson plan with standards, samples of student work and the rubric used to assess the students.

PDF: [ELA UNIT SUSTANABILITY.PDF](#)

PDF: [ELA SUSTAINABILITY LESSON QUESTIONNAIRE.PDF](#)

Education for Sustainability Grades 4-12 Science

5 Points

School

Program Summary: Fifth Grade students in the Mount Olive School district, strengthen their understanding of themes in Science Education using research, inquiry and a hands on approach. Students are immersed into scientific discovery through hands-on experimentation and exploration in Science class. This year fifth grade students have the opportunity to connect their learning of the Earth Systems unit to the Trout in Schools Program. By learning about the four earth systems, their interconnectivity and what humans have done to impact these systems; students are able to understand that they are all in this together. Observing the life cycle of freshwater trout and understanding their unique habitat needs has been allowing the students the real life example of conservation.

PDF: [5TH GRADE SCIENCE LESSON QUESTIONNAIRE](#)

PDF: [EARTH SYSTEMS LESSON PLAN AND STUDENT WORK](#)

PDF: [EXPLANATION OF THE TROUT FOR CLASSROOMS PROGRAM](#)

Education for Sustainability Grades 4-12 Social Studies

5 Points

School

Program Summary: Fifth graders at Mountain View studied the human effect on the environment as part of their Social Studies curriculum. Students watched a video describing how climate change became a concern throughout history. Students were made aware through the video and discussion of the timeline of how increased human activity had ultimately increased the concern for our climate. Students then studied student climate activists Greta Thunberg. Through listening to her TedTalk as well as a read aloud students got to understand her perspective on the climate crisis and how important it is for the younger generation to be aware of it. After some class discussion and brainstorming students created infographics explaining what climate change was, how it is affecting the Earth and one thing they plan to do to make a change. Attached are slides with the lesson plan and student work samples from this activity.

PDF: [LESSON PLAN AND STUDENT WORK](#)

PDF: [QUESTIONNAIRE](#)