# PRATTSBURGH CSD
# Smart Schools Investment Plan -

**1.    Please enter the name of the person to contact regarding this submission.**

Jeff Black

**1a.    Please enter their phone number for follow up questions.**

607-522-6211

**1b.    Please enter their e-mail address for follow up contact.**

jblack@prattsburghcsd.org

**2.    Please indicate below whether this is the first submission, a new submission or an amended submission of a Smart Schools Investment Plan.**

First submission

**3.    All New York State public school districts are required to complete and submit a District Instructional Technology Plan survey to the New York State Education Department in compliance with Section 753 of the Education Law and per Part 100.12 of the Commissioner's Regulations.   Districts that include investments in high-speed broadband or wireless connectivity and/or learning technology equipment or facilities as part of their Smart Schools Investment Plan must have a submitted and approved Instructional Technology Plan survey on file with the New York State Education Department.**
**By checking this box, you certify that the school district has an approved District Instructional Technology Plan survey on file with the New York State Education Department.**

District Educational Technology Plan Submitted to SED and Approved (Checked)

**4.    Pursuant to the requirements of the Smart Schools Bond Act, the planning process must include consultation with parents, teachers, students, community members, other stakeholders and any nonpublic schools located in the district.**
**By checking the boxes below, you are certifying that you have engaged with those required stakeholders. Each box must be checked prior to submitting your Smart Schools Investment Plan.**

Parents (Checked)
Teachers (Checked)
Students (Checked)
Community members (Checked)

**4a.    If your district contains non-public schools, have you provided a timely opportunity for consultation with these stakeholders?**

No

**5.    Certify that the following required steps have taken place by checking the boxes below: Each box must be checked prior to submitting your Smart Schools Investment Plan.**

The district developed and the school board approved a preliminary Smart Schools Investment Plan. (Checked)

**5a.    Please upload the proposed Smart Schools Investment Plan (SSIP) that was posted on the district's website. Note that this should be different than your recently submitted Educational Technology Survey.**

(No Response)

**6.    Please enter an estimate of the total number of students and staff that will benefit from this Smart Schools Investment Plan based on the cumulative projects submitted to date.**

423

**7.** **An LEA/School District may partner with one or more other LEA/School Districts to form a consortium to pool Smart Schools Bond Act funds for a project that meets all other Smart School Bond Act requirements. Each school district participating in the consortium will need to file an approved Smart Schools Investment Plan for the project and submit a signed Memorandum of Understanding that sets forth the details of the consortium including the roles of each respective district.**

(No Response)

**8.** **Please enter the name and 6-digit SED Code for each LEA/School District participating in the Consortium.**

| Partner LEA/District | SED BEDS Code |
|---|---|
| (No Response) | (No Response) |

**9.** **Please upload a signed Memorandum of Understanding with all of the participating Consortium partners.**

(No Response)

**10.** **Your district's Smart Schools Bond Act Allocation is:**

$544,167

**11.** **Enter the budget sub-allocations by category that you are submitting for approval at this time. If you are not budgeting SSBA funds for a category, please enter 0 (zero.) If the value entered is $0, you will not be required to complete that survey question.**

| | Sub-Allocations |
|---|---|
| School Connectivity | 0 |
| Connectivity Projects for Communities | 0 |
| Classroom Technology | 544,167 |
| Pre-Kindergarten Classrooms | 0 |
| Replace Transportable Classrooms | 0 |
| High-Tech Security Features | 0 |
| **Totals:** | 544,167.00 |

# Smart Schools Investment Plan -

School Connectivity                                                         Status Date: 08/14/2015 00:51 PM

1.  **Briefly describe how you intend to use Smart Schools Bond Act funds for high-speed broadband and/or wireless connectivity projects in school buildings.**

    (No Response)

2.  **Briefly describe the linkage between the district's District Instructional Technology Plan and the proposed projects. (There should be a link between your response to this question and your response to Question 1 in Part E. Curriculum and Instruction "What are the district's plans to use digital connectivity and technology to improve teaching and learning?)**

    (No Response)

3.  **To ensure that districts maximize the return on their investment in education technology and devices, Smart Schools Bond Act funds used for technology infrastructure investments must increase the number of school buildings that meet or exceed the Federal Communications Commission minimum speed standard of 100 Mbps per 1,000 students.**

    **Please describe how you will use SSBA funds to meet this standard.**

    (No Response)

    3a. **If a district believes that it will be impossible to meet this standard within 12 months, it may apply for a waiver of this requirement, as described on the Smart Schools website. The waiver must be filed and approved by SED prior to submitting this survey.**

    (No Response)

4.  **If the district wishes to have students and staff access the Internet from wireless devices within the school building, or in close proximity to it, it must first ensure that it has a robust Wi-Fi network in place that has sufficient bandwidth to meet user demand.**

    **Please describe how you have quantified this demand and how you plan to meet this demand.**

    (No Response)

5.  **As indicated on Page 5 of the guidance, the Office of Facilities Planning will have to conduct a preliminary review of all capital projects, including connectivity projects.**

    | Project Number |
    | --- |
    | (No Response) |

6.  **Certain high-tech security and connectivity infrastructure projects may be eligible for an expedited review process as determined by the Office of Facilities Planning.**

    **Was your project deemed eligible for streamlined review?**

    6a. **Districts that choose the Streamlined Review Process will be required to certify that they have reviewed all installations with their licensed architect or engineer of record and provide that person's name and license number.**
    **The licensed professional must review the products and proposed method of installation prior to implementation and review the work during and after completion in order to affirm that the work was code-compliant, if requested.**

    (No Response)

7.  **Include the name and license number of the architect or engineer of record.**

| Name | License Number |
|------|----------------|
| (No Response) | (No Response) |

**8.**   **If you are submitting an allocation for School Connectivity complete this table.**

**Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.**

|  | Sub-Allocation |
|--|----------------|
| Network/Access Costs | (No Response) |
| Outside Plant Costs | (No Response) |
| School Internal Connections and Components | (No Response) |
| Professional Services | (No Response) |
| Testing | (No Response) |
| Other Upfront Costs | (No Response) |
| Other Costs | (No Response) |
| **Totals:** | |

**9.**   **Please specify what is included under Other Costs above.**

(No Response)

# PRATTSBURGH CSD

# Smart Schools Investment Plan -

Community Connectivity (Broadband and Wireless)                    Status Date: 08/14/2015 00:51 PM

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**1.**    **Briefly describe how you intend to use Smart Schools Bond Act funds for high-speed broadband and/or wireless connectivity projects in the community.**

(No Response)

**2.**    **Please describe how the proposed project(s) will promote student achievement and increase student and/or staff access to the Internet in a manner that enhances student learning and/or instruction outside of the school day and/or school building.**

(No Response)

**3.**    **Community connectivity projects must comply with all the necessary local building codes and regulations (building and related permits are not required prior to plan submission).**

(No Response)

**4.**    **Please describe the physical location of the proposed investment.**

(No Response)

**5.**    **Please provide the initial list of partners participating in the Community Connectivity Broadband Project, along with their Federal Tax Identification (Employer Identification) number.**

| Project Partners | Federal ID # |
|---|---|
| (No Response) | (No Response) |

**6.**    **If you are submitting an allocation for Community Connectivity, complete this table.**
**Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.**

|  | Sub-Allocation |
|---|---|
| Network/Access Costs | (No Response) |
| Outside Plant Costs | (No Response) |
| Tower Costs | (No Response) |
| Customer Premises Equipment | (No Response) |
| Professional Services | (No Response) |
| Testing | (No Response) |
| Other Upfront Costs | (No Response) |
| Other Costs | (No Response) |
| **Totals:** |  |

**7.**    **Please specify what is included under Other Costs above.**

(No Response)

1. **As a precondition to any purchase of devices using a Smart Schools allocation, a district must increase the number of school buildings that meet or exceed the Federal Communications Commission minimum speed standard of 100 Mbps per 1,000 students.**

   **Please describe how your district already meets or is planning to meet this standard within 12 months of plan submission.**

   Since we have less than 400 students in the district, we would need to exceed a minimum speed standard of 40 Mbps. Our current minimum speed standard is 10 Gbps in to all buildings and 10 Gbps going out to the classrooms.  This speed was obtained through a capital project in 2012. Therefore, we already meet this compliance requirement

   1a. **If a district believes that it will be impossible to meet this standard within 12 months, it may apply for a waiver of this requirement, as described on the Smart Schools website. The waiver must be filed and approved by SED prior to submitting this survey.**

      (No Response)

2. **If the district wishes to have students and staff access the Internet from wireless devices within the school building, or in close proximity to it, it must first ensure that it has a robust Wi-Fi network in place that has sufficient bandwidth to meet user demand.**
   **Please describe how you have quantified this demand and how you plan to meet this demand.**

   We currently have 100% wireless N coverage.  Within 12 months we will have a wireless device in every classroom that will handle 50 plus users at 100Mbps per user. This is part of an ERATE/BOCES project.

3. **All New York State public school districts are required to complete and submit an Instructional Technology Plan survey to the New York State Education Department in compliance with Section 753 of the Education Law and per Part 100.12 of the Commissioner's Regulations.**
   **Districts that include educational technology purchases as part of their Smart Schools Investment Plan must have a submitted and approved Instructional Technology Plan survey on file with the New York State Education Department.**

   By checking this box, you are certifying that the school district has an approved Instructional Technology Plan survey on file with the New York State Education Department. (Checked)

4. **Describe the devices you intend to purchase and their compatibility with existing or planned platforms or systems.**

   We plan on purchasing interactive flat panel displays as an upgrade to our aging interactive whiteboards. These displays will operate an advanced format of our current whiteboard software application. Our intention is to install flat panel displays in 35-45 classroom and laboratory settings. We plan on purchasing tablet type devices on a rolling basis for all students in grades 6-12.  This plan will roll out over three years until all students have a one-to-one device for use inside the building. The devices will be Windows compatible and will work with the existing Office 365 student accounts. There will be some need for supportive hardware such as charging carts/stations.

5.      **Describe how the proposed technology purchases will:**
        **> enhance differentiated instruction;**
        **> expand student learning inside and outside the classroom;**
        **> benefit students with disabilities and English language learners; and**
        **> contribute to the reduction of other learning gaps that have been identified within the district.**

**The expectation is that districts will place a priority on addressing the needs of students who struggle to succeed in a rigorous curriculum. Responses in this section should specifically address this concern and align with the district's Instructional Technology Plan (in particular Question 2 of E. Curriculum and Instruction: "Does the district's instructional technology plan address the needs of students with disabilities to ensure equitable access to instruction, materials and assessments?" and Question 3 of the same section: "Does the district's instructional technology plan address the provision of assistive technology specifically for students with disabilities to ensure access to and participation in the general curriculum?"**

As our world changes and information grows exponentially, all members of educational institutions including instructors, support personnel, and students depend on 24-7 access to technology resources. Our plan is to continue to develop our network resource platform to provide all stakeholders with unlimited access to filtered Internet and network resources regardless of time or location.

We have begun the process of integrating a school learning tool with our student management system to provide a "blackboard" application that houses instructional resources and content in one location. In addition, we have implemented O365 K-12 for students and faculty where instructors create blended repositories of instructional and assessment materials. These portals also serve as communication tools.

Since we are a small rural school working to provide comparable opportunities to larger more endowed districts, we continue to strive to provide instructional content through on-line and distance learning. These opportunities include virtual experiences and actual complete high school and college courses made being brought in and sent out with our neighboring educational partners including two community colleges and two other school districts.

One instructional strategy that is already being applied is "flipped classroom." A current drawback to this approach is the limited availability of network and Internet resources on an on demand basis. This form of differentiated instruction aligns with the learning styles and curricular expectations of our community.

6.      **Where appropriate, briefly describe how the proposed technology purchases will enhance ongoing communication with parents and other stakeholders and help the district facilitate technology-based regional partnerships, including distance learning and other efforts.**

We already utilize multiple approaches to distance learning that are facilitated through technology-based regional partnerships.  We offer multiple college courses online to students from our area community college.  These dual credit courses require students to complete all of their work on a technology based device that is at minimum a powerful tablet.  Students are responsible for work on their own time so a one to one environment will improve their access.

Students also receive coursework through a partnership developed with two other area high schools.  These are also college level courses that require a combination of online work and face to face distance learning.

A one to one environment will make devices available to the multitude of students in these courses.  As we are a very small and very rural district, these opportunities are necessary for our district to be able to offer the same depth and breadth of curriculum available to students in schools with a larger faculty.

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**7.** **Describe the district's plan to provide professional development to ensure that administrators, teachers and staff can employ the technology purchased to enhance instruction successfully.**

**Note: This response should be aligned and expanded upon in accordance with your district's response to Question 1 of F. Professional Development of your Instructional Technology Plan: "Please provide a summary of professional development offered to teachers and staff, for the time period covered by this plan, to support technology to enhance teaching and learning. Please include topics, audience and method of delivery within your summary."**

The world of technology is a myriad of complex and separate yet entangled strands of hardware, software, and ideas. In order to "untangle the ivy" we are planning a three pronged approach, an "ivy comb" that will braid all of the issues, making them compatible and efficient. This will allow the technology program to be styled in a fashion that respond to new inventions and learning goals as they evolve over the life of the plan.

The district utilizes a trainer from our BOCES center who is responsible for diagnosing problems that are holding teachers and students back from fully utilizing the myriad of technology resources available to them on a 24-7 basis. The trainer meets with our weekly technology planning group to understand and remediate ongoing issues. The trainer utilizes a multivariate platform to drive support and professional development. These platforms include one to one remediation, small group sessions during the school day, and large group training.

Teachers are also encouraged to develop technology learning communities based on a singular or group of individuals who desire to develop a particular skill set designed to promote student achievement. These learning communities may involve teachers from neighboring school districts as part of our teaching and learning academy supported by BOCES trainers. Student Data can be made available from surveys and other data collection tools that provide insight into gaps in learning. A KEY IS MAKING SURE THAT ALL FACULTY AND STAFF ARE ROWING THE BOAT IN THE SAME DIRECTION!!!

In the bigger picture, we hold monthly trainings on a soup du jour of topics, all designed to create efficiency for students and staff. These meetings are written into our instructional teacher contract and are run by our library media specialist, our BOCES trainer, or our network support specialists.

REST ASSURED: these questions must be asked and answered before and pprofessional development activity is planned:

Will the effect of the professional development impact student achievement?

How will the impact on student achievement be measured?

Is this the most effective way to provide this professional development?

Although the KEY TOPICS referenced in the question are Subject to Change, We need to ensure that faculty and staff are prepared to provide for: Windows 10, Office 365, Flipped Classroom Techniques, sharing desktops, sharing files, folders, and work resources, creating autofill assignments, online grading and assessment, creating online groups, working through content filtering issues, authenticating network and internet resources, and utilization of all of the Microsoft Office programs.

**8.** **Districts must contact the SUNY/CUNY teacher preparation program that supplies the largest number of the district's new teachers to request advice on innovative uses and best practices at the intersection of pedagogy and educational technology.**

By checking this box, you certify that you have contacted the SUNY/CUNY teacher preparation program that supplies the largest number of your new teachers to request advice on these issues. (Checked)

**9.** **The Smart Schools Bond Act provides that any district hardware purchases made using Smart Schools funds shall be lent, upon request, to nonpublic schools in the district. However, no school district shall be required to loan technology in amounts greater than the total obtained and spent on technology pursuant to the Smart Schools Bond Act and the value of such loan may not exceed the total of $250 multiplied by the nonpublic school enrollment in the base year at the time of enactment. Accordingly, a district Smart Schools Investment Plan that proposes the purchase of technology devices and other hardware must account for nonpublic schools in the district.**

**Are there nonpublic schools within your school district?**

No

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**9a.** **All students attending nonpublic schools in your District are eligible to receive loans of classroom technology equal on a per pupil basis to the per pupil amounts spent on classroom technology for public school students (up to $250/pupil.)**
**See:**
**http://www.p12.nysed.gov/mgtserv/smart_schools/docs/Smart_Schools_Bond_Act_Guidance_04.27.15_Final.pdf.**

**Describe your plan to loan purchased hardware to nonpublic schools within your district. The plan should use your district's budget for classroom devices to calculate the nonpublic student loan amount, within the framework of the guidance.**

(No Response)

**9b.** **A final Smart Schools Investment Plan cannot be approved until school authorities have adopted regulations specifying the date by which requests from nonpublic schools for the purchase and loan of Smart Schools Bond Act classroom technology must be received by the district.**

(No Response)

**10.** **To ensure the sustainability of technology purchases made with Smart Schools funds, districts must demonstrate a long-term plan to maintain and replace technology purchases supported by Smart Schools Bond Act funds. This sustainability plan shall demonstrate a district's capacity to support recurring costs of use that are ineligible for Smart Schools Bond Act funding such as device maintenance, technical support, Internet and wireless fees, maintenance of hotspots, staff professional development, building maintenance and the replacement of incidental items. Further, such a sustainability plan shall include a long-term plan for the replacement of purchased devices and equipment at the end of their useful life with other funding sources.**

By checking this box, you certify that the district has a sustainability plan as described above. (Checked)

**11.** **Districts must ensure that devices purchased with Smart Schools Bond funds will be distributed, prepared for use, maintained and supported appropriately. Districts must maintain detailed device inventories in accordance with generally accepted accounting principles.**

By checking this box, you certify that the district has a distribution and inventory management plan and system in place. (Checked)

**12.** **If you are submitting an allocation for Classroom Learning Technology complete this table.**
**Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.**

|  | Sub-Allocation |
|---|---|
| Interactive Whiteboards | 235,000 |
| Computer Servers | 0 |
| Desktop Computers | 0 |
| Laptop Computers | 115,000 |
| Tablet Computers | 134,167 |
| Other Costs | 60,000 |
| **Totals:** | 544,167.00 |

**13.** **Please specify what is included under Other Costs above.**

We will need charging docking stations and secure carts. We will also need extra power sources in classrooms. We will need portable scanners in classrooms and printers located in strategic areas of the building

# PRATTSBURGH CSD
# Smart Schools Investment Plan -

Pre-Kindergarten Classrooms

1. **Provide information regarding how and where the district is currently serving pre-kindergarten students and justify the need for additional space with enrollment projections over 3 years.**

   (No Response)

2. **Describe the district's plan to construct, enhance or modernize education facilities to accommodate pre-kindergarten programs. Such plans must include:**

   - **Specific descriptions of what the district intends to do to each space;**
   - **An affirmation that pre-kindergarten classrooms will contain a minimum of 900 square feet per classroom;**
   - **The number of classrooms involved;**
   - **The approximate construction costs per classroom; and**
   - **Confirmation that the space is district-owned or has a long-term lease that exceeds the probable useful life of the improvements.**

   (No Response)

3. **Smart Schools Bond Act funds may only be used for capital construction costs. Describe the type and amount of additional funds that will be required to support ineligible ongoing costs (e.g. instruction, supplies) associated with any additional pre-kindergarten classrooms that the district plans to add.**

   (No Response)

4. **All plans and specifications for the erection, repair, enlargement or remodeling of school buildings in any public school district in the State must be reviewed and approved by the Commissioner. Districts that plan capital projects using their Smart Schools Bond Act funds will undergo a Preliminary Review Process by the Office of Facilities Planning.**

   | Project Number |
   | --- |
   | (No Response) |

5. **If you have made an allocation for Pre-Kindergarten Classrooms, complete this table.**

   **Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.**

   | | Sub-Allocation |
   | --- | --- |
   | Construct Pre-K Classrooms | (No Response) |
   | Enhance/Modernize Educational Facilities | (No Response) |
   | Other Costs | (No Response) |
   | **Totals:** | |

6. **Please specify what is included under Other Costs above.**

   (No Response)

# PRATTSBURGH CSD

# Smart Schools Investment Plan -

**1.** **Describe the district's plan to construct, enhance or modernize education facilities to provide high-quality instructional space by replacing transportable classrooms.**

(No Response)

**2.** **All plans and specifications for the erection, repair, enlargement or remodeling of school buildings in any public school district in the State must be reviewed and approved by the Commissioner. Districts that plan capital projects using their Smart Schools Bond Act funds will undergo a Preliminary Review Process by the Office of Facilities Planning.**

| Project Number |
|---|
| (No Response) |

**3.** **For large projects that seek to blend Smart Schools Bond Act dollars with other funds, please note that Smart Schools Bond Act funds can be allocated on a pro rata basis depending on the number of new classrooms built that directly replace transportable classroom units.**

**If a district seeks to blend Smart Schools Bond Act dollars with other funds describe below what other funds are being used and what portion of the money will be Smart Schools Bond Act funds.**

(No Response)

**4.** **If you have made an allocation for Replace Transportable Classrooms, complete this table.**
**Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.**

| | Sub-Allocation |
|---|---|
| Construct New Instructional Space | (No Response) |
| Enhance/Modernize Existing Instructional Space | (No Response) |
| Other Costs | (No Response) |
| **Totals:** | |

**5.** **Please specify what is included under Other Costs above.**

(No Response)

1. **Describe how you intend to use Smart Schools Bond Act funds to install high-tech security features in school buildings and on school campuses.**

   (No Response)

2. **All plans and specifications for the erection, repair, enlargement or remodeling of school buildings in any public school district in the State must be reviewed and approved by the Commissioner. Districts that plan capital projects using their Smart Schools Bond Act funds will undergo a Preliminary Review Process by the Office of Facilities Planning.**

   | Project Number |
   | --- |
   | (No Response) |

3. **Was your project deemed eligible for streamlined Review?**

   **3a.** **Districts with streamlined projects must certify that they have reviewed all installations with their licensed architect or engineer of record, and provide that person's name and license number. The licensed professional must review the products and proposed method of installation prior to implementation and review the work during and after completion in order to affirm that the work was code-compliant, if requested.**

   (No Response)

4. **Include the name and license number of the architect or engineer of record.**

   | Name | License Number |
   | --- | --- |
   | (No Response) | (No Response) |

5. **If you have made an allocation for High-Tech Security Features, complete this table.**
   **Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.**

   | | Sub-Allocation |
   | --- | --- |
   | Capital-Intensive Security Project (Standard Review) | (No Response) |
   | Main Entrance Electronic Security System (Streamlined Review) | (No Response) |
   | Main Entrance Entry Control System (Streamlined Review) | (No Response) |
   | Approved Door Hardening Project (Streamlined Review) | (No Response) |
   | Other Costs | (No Response) |
   | **Totals:** | |

6. **Please specify what is included under Other Costs above.**

   (No Response)