

D32 The School of Science, Math & Technology-IS 349
(I.S. 349)
2019 – 2020



Mission/Vision:

Vision Statement:

All students deserve a high-quality, relevant, and rigorous education with resources to prepare them for success in college, career, and life.

Mission:

The community, families, business partners, administrators, students, and staff work together to create an academic, physical, emotional, social, and safe environment where everyone can trust, learn and respect one another. We care about ourselves and others to create, support and maintain powerful, highly engaged critical learning in Math and Science. We dare to use innovative techniques to enhance lifelong learning through technology, the multiple intelligences, varied instructional strategies, and interdisciplinary units. We share our cultural backgrounds to nurture growth, responsibility, and productivity by celebrating our diversity within a positive school-wide atmosphere and by promoting sportsmanship, after school activities, school spirit, and pride in ourselves through our daily studies and our educational accomplishments.

School wide

Instructional Focus:

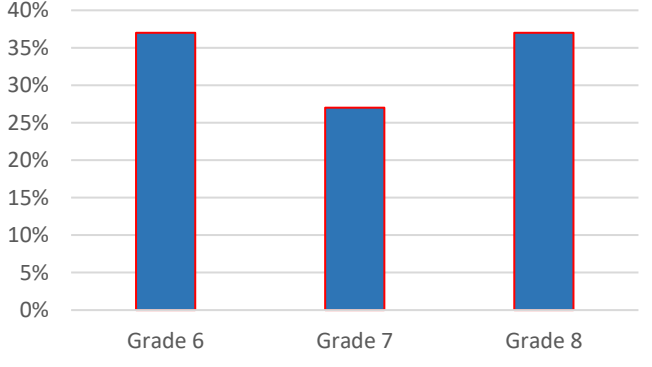
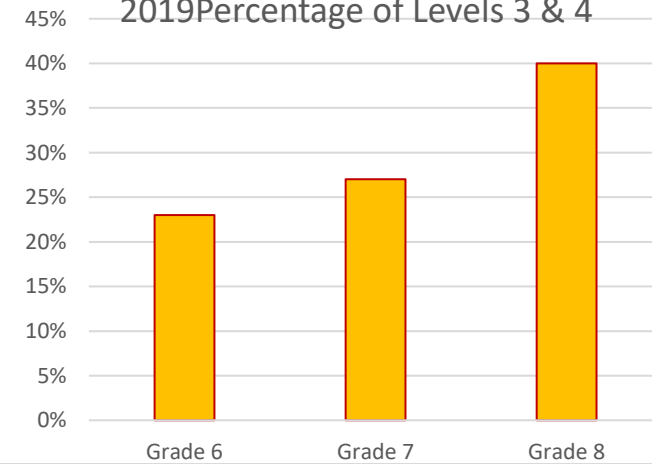
By June 2020, our school community will work collaboratively to increase opportunities for all students to participate in meaningful discussions that lead to higher order thinking. This will support the use of rich vocabulary and quality writing for students in all subjects.

Overall School Information:

Enrollment	299
Student Demographics	
Asian	1
Black	40
Hispanic	256
White	2
MLL	63 (ELL)
SWD	63
Attendance	94.5%

School Standardized Test Scores & Data Analysis

I.S. 349 NYS Assessment Data 2018-2019	
ELA '18 – '19 33% (+6%)	
6	37% (+7%)
7	27% (+7%)
8	37% (+7%)
Math '18 – '19 30% (+7%)	
6	23% (+4%)
7	27% (-6%)
8	40% (+23%)

Grade Levels	6-8	Regents School v. City	Algebra: 81.42% (+12.84% as compared to the City)	Living Environment: 76.95% (+7% as compared to the City)								
Extra-Curricular Programs & Arts offered to students		<p data-bbox="1150 240 1654 321">I.S. 349 ELA NYS Exam 2018-2019 Percentage of Levels 3 & 4</p>  <table border="1" data-bbox="1058 363 1705 727"> <thead> <tr> <th>Grade</th> <th>Percentage of Levels 3 & 4</th> </tr> </thead> <tbody> <tr> <td>Grade 6</td> <td>~37%</td> </tr> <tr> <td>Grade 7</td> <td>~27%</td> </tr> <tr> <td>Grade 8</td> <td>~37%</td> </tr> </tbody> </table>			Grade	Percentage of Levels 3 & 4	Grade 6	~37%	Grade 7	~27%	Grade 8	~37%
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Arts and Crafts Sculpture Sports (Basketball, Football, Volleyball) Dance Program Computer Science Citizen Science (Club integrated with Science)		<p data-bbox="1178 818 1648 899">I.S. 349 Math NYS Exam 2018-2019 Percentage of Levels 3 & 4</p>  <table border="1" data-bbox="1058 867 1705 1328"> <thead> <tr> <th>Grade</th> <th>Percentage of Levels 3 & 4</th> </tr> </thead> <tbody> <tr> <td>Grade 6</td> <td>~23%</td> </tr> <tr> <td>Grade 7</td> <td>~27%</td> </tr> <tr> <td>Grade 8</td> <td>~40%</td> </tr> </tbody> </table>			Grade	Percentage of Levels 3 & 4	Grade 6	~23%	Grade 7	~27%	Grade 8	~40%
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Community Partnerships (CBO's)												
Interborough Mental Health Clinic for social emotional. Salvadori (STEM) PRATT Institute (College student tutors)												
After-School Offerings												
Riseboro Afterschool Program (ELA/Math/Science/LOTE) Dance Program Saturday Academy Specialized High School Tests Prep Program (SHSAT)												

Second Language Proficiency Examination (LOTE) Afterschool		<p align="center"><u>What are you doing differently to raise the scores in both ELA and Math?</u></p>		
Additional information				
		<ol style="list-style-type: none"> 1. In ELA- tracking I-Ready diagnostics' data to guide instruction in struggling major standards and continuously assess them. 2. In ELA-, apply “thinking jobs” specific-to-particular genres in order to activate student thinking consistently from grade to grade. 3. In ELA-apply, a school wide writing process called “6+1 traits” in order to create consistency across grades and cross curriculum in all subjects. 4. In ELA-address and apply vocabulary strategies and training for teachers and students to strengthen and improve reading comprehension across all subjects for all students. 5. In Math-, apply a school wide problem solving approach through “cognitive guided instruction” pushing students to do the heavy lifting. 6. In Math-provide training and strategies to students for “reasonableness” in answering math problems. 7. In Math- create a fluency time at the beginning of every period through the use of Engage NY sprints. 8. In Math-tracking I-Ready diagnostics' data to guide instruction in struggling major standards and continuously assess them. 		
		<p>DOE Programs offered to students Ex. Algebra 4 All, CS4 ALL, Electives etc.</p> <p>Algebra 1/ Living Environment Second Language Proficiency Examination (LOTE)</p> <p align="center">What is the school offering to secure the DOE Priorities & Drivers?</p> <table border="1" data-bbox="890 1252 1896 1432"> <tr> <td data-bbox="890 1252 1142 1432"> <u>ILF</u> </td> <td data-bbox="1142 1252 1896 1432"> The school is offering the use of I-Ready to ensure the instruction is data driven and flexible with the curriculum. This will strengthen the core instruction. </td> </tr> </table>	<u>ILF</u>	The school is offering the use of I-Ready to ensure the instruction is data driven and flexible with the curriculum. This will strengthen the core instruction.
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		<p>Teachers will use culturally relevant texts to ensure that we are building on student background knowledge.</p> <p>Through the use of the I-Ready system we will do deep dive data meetings in order to know every student level and push them to the next level.</p> <p>Through consistency of ELA and Math strategies through the school and grade levels, we are making high quality materials accessible for every student. These resources will ensure an all- inclusive environment since students are diagnosed individually rather than as a whole.</p>
	<u>CSS</u>	<p>Sharing and making the mission, vision and instructional focus alive through action steps and state of school meetings with all stakeholders.</p>
	<u>Supportive Environment</u>	<p>Providing training and opportunities for students and staff to create “safe” environments for all students to feel valued.</p> <p>Set high expectations and rigorous instruction based on the data and encouraging a growth mindset.</p> <p>Ensuring the curriculum is inclusive and assessing it through varying lens.</p> <p>Providing ongoing professional development and support towards school wide goals based on the data and surveys.</p>
	<u>Developing People</u>	<p>Staff will be trained on data, assessing, and strategies used for ELA and Math with follow-ups and team leaders to ensure consistency across grades and subjects.</p>
	<u>E-STEM</u>	<p>The Pratt institute will align and meet with the principal monthly to ensure alignment of the school curriculum and needs based on data collected.</p> <p>Afterschool programs will support the PRATT institute vice versa applying techniques and long-term projects.</p>