

NJB: Learning Outcomes and Targets MATH 2022-23 Year

CULTURE OF COLLABORATION

- ✓ Professional Development that is scholar driven, mission driven, and data driven
- ✓ Growth Mindset
- ✓ Curriculum Thursdays for PDSA/Improvement Science
- ✓ Academic Conferences
- ✓ Data Progress Monitoring
- ✓ Deeply Follow the Tenets of the Charter
- ✓ The Right Fit for Teachers (placement, strength)

CURRICULUM, TASKS AND ASSESSMENTS

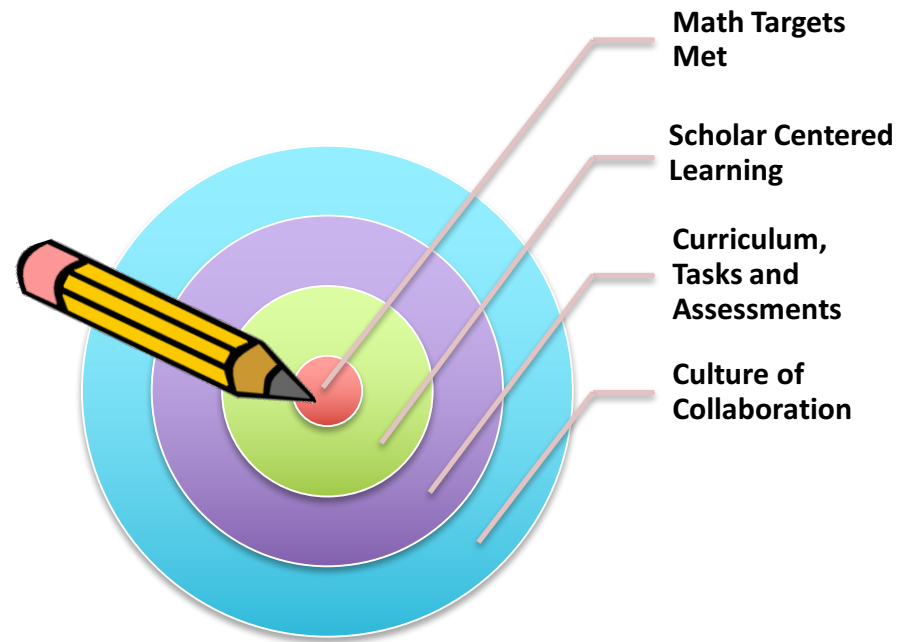
- ✓ Agricultural and Civic Themed Units of Study Aligned to CCSS
- ✓ Foundational Targeted Math Skills
- ✓ Focus on Standards for Mathematical Practices
- ✓ Tasks, Products, Exemplars that are rigorous and align to targets.
- ✓ Progress Monitoring of scholar growth and Common Assessments
- ✓ SMART GOALS
- ✓ Small group, GO MATH and I-Ready and Response To Intervention Support

SCHOLAR CENTERED LEARNING

- ✓ Body/Brain Learning Approach (Multiple Intelligences)
- ✓ Academic Conversations (Collaboration between Scholars)
- ✓ Culturally Responsive Teaching and Learning
- ✓ SEL/LIFESKILLS/Leader In Me (Second Step)
- ✓ ELD Strategies (GLAD)
- ✓ Differentiated Instruction (UBD)
- ✓ Tutoring and Academic Instructions During Off-Track Months

MATH TARGETS (Our End in Mind)

- ✓ Scholars will be able to explain and apply mathematical concepts, interpret and carryout mathematical procedures with precision and fluency.
- ✓ Scholars will be able to solve a range of complex well-posed problems in pure and applied mathematics, making productive use of knowledge and problem-solving strategies.
- ✓ Scholars can clearly and precisely construct viable arguments to support their own reasoning and critique the reasoning of others.
- ✓ Scholars can analyze complex, real-world scenarios and can construct and use mathematical models to interpret and solve problems.



Mathematics Targets

- Foundational Math
- Concepts and Procedures
- Problem Solving and Modeling & Data Analysis
- Communicating Reasoning

REAL world test of mastery:

1. The ability to use the language of the discipline or subject in complex situations and social interactions. (academic vocabulary)
2. The ability to perform appropriately in unanticipated situations
3. The ability to solve real problems using the skills and concepts
4. The ability to show, explain/teach, evaluate, and create the idea or skill to another person who has a real need to know.