

NJB: Learning Goals and Targets MATH
2016-17 Year

CULTURE OF COLLABORATION

- ✓ Professional Development that is scholar driven, mission driven, and data driven
- ✓ Growth Mindset
- ✓ Curriculum Thursdays
- ✓ Academic Conferences
- ✓ Data Progress Monitoring
- ✓ Deeply Follow the Tenets of the Charter

CURRICULUM, TASKS AND ASSESSMENTS

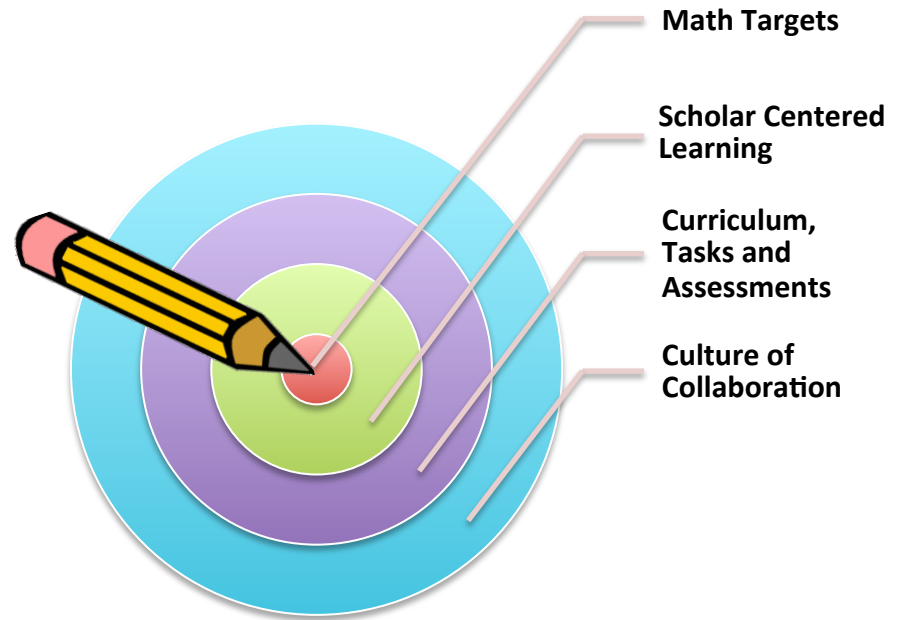
- ✓ Agricultural and Civic Themed Units of Study Aligned to CCSS
- ✓ Focus on Standards For Mathematical Practices
- ✓ Tasks, Products, Exemplars that are rigorous and align to targets.
- ✓ Progress Monitoring of scholar growth
- ✓ SMART GOALS
- ✓ I-Ready and Response To Intervention Support

SCHOLAR CENTERED LEARNING

- ✓ Body/Brain Learning Approach (Multiple Intelligences)
- ✓ Academic Conversations (Collaboration between Scholars)
- ✓ SEL/LIFESKILLS
- ✓ ELD Strategies
- ✓ Differentiated Instruction

MATH TARGETS

- ✓ 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 or teach the idea or skill to another person who has a real need to know.*