

# Rippon Math and Science Specialty Program



# Welcome to Rippon MS

Ms. Donahue – Principal & Supervisor of the Math and Science Specialty Program

Dr. McGee – Assistant Principal & Supervisor of the Math and Science Departments

Mrs. Bertrand – Co-coordinator of the Math and Science Program & Math Department Chairperson

Ms. Bicey – Co-coordinator of the Math and Science Program & Science Department Chairperson

Mr. Poynter and Ms. Van Tassel – Gifted Education Teachers



# Program Background

- Our Math and Science Specialty Program makes up 25% of the school.
- Our specialty program students come from 25 different elementary schools, and 5 middle schools.
- Our school is very diverse with our students representing over 20 different nations!
- There are approximately 245 students currently in the program.



# Why the Math and Science Program?

- Provides students with a rigorous learning experience at an accelerated pace
  - Math – Students will be in Extended Math and finish the program with 1 or 2 high school credits.
  - Science – Students will be in Science Enrichment and complete several inquiry-based activities.
- Provides students with opportunities to explore science areas in more detail
- Introduces them to a variety of STEM careers
- Prepares them for AP classes in HS
- Helps develop critical thinking skills
- Teaches students how to work as a team and independently



# Program Expectations

- Students are expected to maintain a B or higher in all Math and Science Courses.
- Students are expected to maintain a C or higher in all classes, including Electives.
- Students are expected to have a Satisfactory or higher in work habits and conduct in all classes, including Electives.
- Students will honor all aspects of the Code of Behavior.
- Students will earn the appropriate SOL score or end of year exam score.



# Mathematics

- Accelerated Track

**6th Grade**

6 Extended

SOL Test - Math 6

**7th Grade**

7 Extended

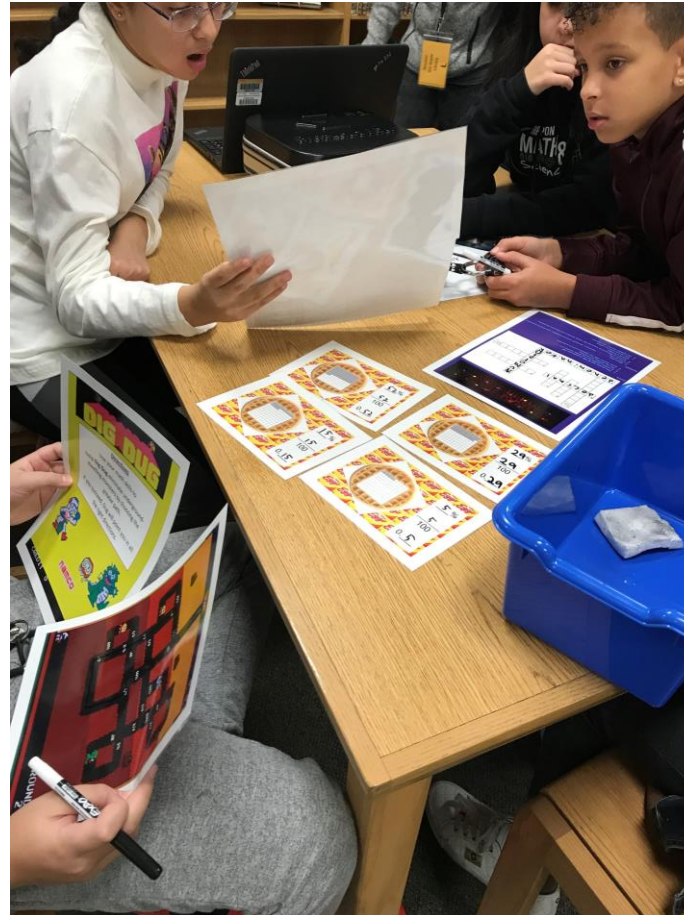
SOL Test - Math 8

**8th Grade**

Algebra I

SOL Test - Algebra I

\*High School Verified Credit



- Promoted Track

**6th Grade**

7 Extended

SOL Test - Math 8

**7th Grade**

Algebra I

SOL Test - Algebra I

\*High School verified credit

**8th Grade**

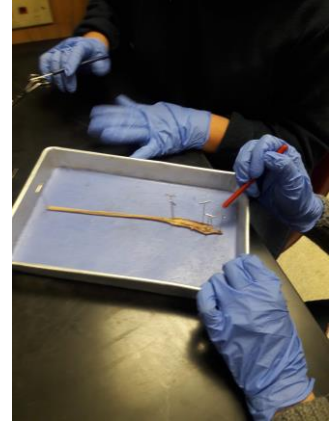
Geometry

SOL Test – Geometry

\*High School verified credit

# Science Enrichment

- All students in the class are in the Math and Science Specialty Program.
- Students are always ahead of the other classes and complete at least one project per quarter.
- Enhanced Units are Completed Each Quarter.
  - Ex. Anatomy, Coding, Forensics, and Fire!
- All Math and Science Students are required to complete a project in one of the areas below and participate in Science Symposium.
  - Invention Convention
  - Science Fair





# Classroom Activities

- The Mathematics and Science classroom teachers will enhance and extend the learning in the classroom.
- Examples:
  - Inquiry Based Labs
  - Stock Market Project - Trading Simulation
  - STEM Challenges
  - Snap Circuits
  - Digital Escape Rooms
  - STEM Career Project





# Gifted Education Program

- If you are a Gifted Student, you will have this class in your Elective rotation.
- The goal of gifted education services in PWCS is to develop advanced skills in
  - Critical thinking
  - Creative thinking
  - Communication
  - Collaboration
  - Conceptual thinking

... in order to encourage and enable students to become self-directed learners.



# Math and Science Field Trips

- The students take 1-2 extra field trips each year as a M/S group
- Examples
  - NASA testing facility
  - Hylton Planetarium
  - Hershey Park STEM day
  - Science and Engineering Expo – Washington D.C.
  - Laser Quest
  - Kings Dominion – Education Days Coaster Mania
  - Hemlock Regional Park
  - Udvar Hazy Air and Space Museum
  - Q?rius Lab – Smithsonian National Museum of Natural History
  - Baltimore Aquarium



# Clubs and Sports

## Clubs

- Academic Bee
- Anime
- Art
- Ecology
- Games
- Mathletes
- National Junior Honor Society
- Robotics
- Step Team
- Yearbook



## Sports

- Volleyball
- Football
- Cheerleading
- Boys and Girls Soccer
- Boys and Girls Basketball
- Boys and Girls Track
- Wrestling
- Baseball
- Softball

# Application Process

- Application opened on Tuesday November 1, 2022, and closes on Wednesday February 1, 2023
- Online using Scribbles
  - Input student information
  - Choose Programs
- Acceptances and Denials will be notified around February 17, 2023
- All communication will be electronic
- Program Acceptances are due by Sunday March 5, 2023



# Contact Information

- Please feel free to contact us with any questions or concerns that you may have.
- Mrs. Bertrand – [bertracj@pwcs.edu](mailto:bertracj@pwcs.edu)
- Ms. Bicey – [biceysd@pwcs.edu](mailto:biceysd@pwcs.edu)
- School phone number: 703-491-2171
- Questions?

