

## Principal's Report to the Raymond School Board

Sharon M Wilson, Principal, Raymond High School

2022-2023, 4/19/2023

### Highlights

#### Math:

- Mr. Hayes Honors Geometry students are answering the Essential Question: How does scale affect the size and shape of a 3-D object? Selecting and using appropriate ratios they enlarged objects to be used by giants and explained their choices in writing.
- Students with Ms. Lemieux have been working on Project Based Learning and are currently doing a Graffiti wall (finding the area of irregular polygons) in geometry. They have just finished their unit on right triangles where students simulated an airplane landing. To do this they had to calculate angles of depression and other values and then compare them to how a real flight with those values would actually play out.
- In Pre-Algebra students contributed to our graffiti wall by demonstrating their skills with plotting points and recently finished an Orbeez probability lab.
- Honors Pre-Calculus students are studying arithmetic and geometric sequences and calculating their summations leading to their final unit of vectors.

#### Science:

- Biology students with Mr. Ramsey have been using the Five E Learning model to learn about Meiosis. They used magnet models of chromosomes to create a model karyotype. They will then compare their models to a provided model of a person with a chromosomal disorder. They will then develop a potential model explaining the formation of gametes.
- Ms. Dean's students incubated and hatched twelve baby chickens.
- Chemistry students have been exploring the quantification of solution concentrations using spectrophotometers.
- Physical Science students completed their study of light using mirrors and lenses.
- Astronomy students are making top and side view scaled drawings of the Milky Way and will end the year examining the evolution of stars.
- Physics/ Honors Physics are finishing up kinematics and starting waves. Their final project for kinematics was a Spaghetti Bridge Project. They created interesting designs to support the weight and spread out forces and absorb energy.

#### Unified Arts:

- Digital Components and Research students recently completed a unit to aid in productivity and efficiency by composing professional emails and managing the settings for email, drive and google calendar.
- Programming students are immersed in their cyber security unit learning about how the virtual world can affect the physical world. One important outcome is learning to more effectively protect themselves online.
- CAD students have learned how to go from a sketch to 3-D and are starting to produce prints of their own first designs.
- Robotics is engaged in wrapping up their first virtual competition where they placed 1st and 2nd in the qualifying round. Those choosing not to compete are continuing in the curriculum learning how to use repeat loops and other logical statements.
- Mr. Brazeau's Financial Literacy students were the State Runners Up
- Wood 1 students are learning to combine machinery with hand tools to create projects. Presently they are building bluebird houses to add to the songbird sanctuary in the front of our school.
- Wood 2 students are learning different finishing techniques to add to their custom boxes they made on various jigs from spalted maple milled at RHS.
- Construction students are moving outside to work on the timber frame greenhouse. This winter they worked on the top plates, rafters and pegs which they are now raising as well as milling lumber for the siding and miscellaneous parts at the sawmill.
- Electricity students are presenting reports to the class on energy use in the world. They will be transitioning over to electronics and building circuit boards.
- Digital Photo students are learning the different settings in a digital camera and how it affects a photo as well as learning online programs to organize and edit their photos.
- Foods and Nutrition students have been studying vegetables and how they can be incorporated into tasty and healthy meals. Students have made the following dishes during their labs: vegetable and black bean tacos with homemade salsa and guacamole, chicken and vegetable stir-fry over rice, and

	<p>sweet potato pancakes with maple pecan compound butter. Each recipe was delicious and students have been discovering how tasty vegetables can be.</p> <p><b>English:</b></p> <ul style="list-style-type: none"> <li>• Creative Writing students in Ms. Pauli’s class are finishing their Fairy Tale Rewrite Projects where they chose their favorite fairy tale and rewrote the story from the perspective of the villain. Selections came from a variety of sources such as: <i>Cinderella, Rapunzel, Little Red Riding Hood, The Little Red Hen, The Wizard of Oz and Hansel and Gretel</i>. One central focus of the project was to prove proficiency with perspective and characterization as their villain needed to be somewhat likable. Additionally, students needed to incorporate at least four examples of figurative language throughout their story. Students peer edited drafts as part of the writing process.</li> <li>• World History: The freshmen class finished quarter 3 with a 90% success rate. They are currently finishing a summative assessment on Oceania and will now investigate the past and present of the African continent.</li> <li>• Criminal Law: True Crimes students recently completed their unit on Abatement Ab Initio. In addition to the Latin component, students wrestled with the complexities of case status when the prime suspect is deceased. The Bear Brook homicides and the alleged serial killer who died before he could be charged proved to be an ideal case for the students to examine. It provided an opportunity to reinforce the legal terminology as well as review the entangling crimes associated with the suspect known as <i>the chameleon</i>. The summative project was designed by the students to showcase their knowledge and curiosity.</li> </ul> <p><b>Connections:</b></p> <ul style="list-style-type: none"> <li>• Ms. Grace-Myers students have been exploring the care that goes into hatching and caring for chicks. They are also exploring growing plants from seeds and recently transplanted them to bigger pots as they would in a nursery. Both activities have been a bridge between reading/writing and their career class.</li> </ul> <p><b>Project Success:</b></p> <ul style="list-style-type: none"> <li>• Prevention Education has started with 3 of the Freshman RAM classes. The students are engaged in discussion about how youth are perceived at home, school and in various forms of media. They have begun discussing the impact of alcohol and various substances as well.</li> </ul> <p><b>School Wide:</b></p> <ul style="list-style-type: none"> <li>• We welcomed Parents for our Spring Conferences and parents for incoming 8th Grade students</li> <li>• Winter Semi-Formal was March 10th and was a wonderful event.</li> <li>• The Winter Sports Banquet Thursday March 19th provided an opportunity for families to come together.</li> <li>• Wrestling finished their season with 3 State Champions as well as two 3rd place and one fourth place winners.</li> <li>• The following student athletes were selected by the state of New Hampshire, the NHIAA, and the NHADA to receive the NH Scholar Athlete Awards  Penelope Wenzel  Lydia Cramer  Adrianna Morasse  Kaleb Brisson  Gabriella Hone  Alyson Miller  Cat Fournier  Kelly Leger</li> </ul>
<p><b>Acknowledgements</b></p>	<p>Kim Capen, Kim Giroux and Kathleen Grace Myers along with Karen Berube have gone above and beyond to assist students affected by a mid-year resignation in our REAP program.</p> <p>Sharon Lavallee and Ann Roman have each taken on more responsibilities to keep the office running smoothly due to an unexpected leave. We are grateful to them as well as Sue Trudel for their RAM pride and professionalism and supporting our family.</p> <p>The Parent Core Support Group continues to fill our hearts and stomachs with their support and tasty treats.</p> <p>Shanyn Grenier for her leadership on a very successful PSAT 8/9, 10 and SAT day.</p> <p>Bob Lemoine’s book “When the Babe Went Back to Boston”</p> <p>Sandra Swiechowicz has been moved on to become a finalist for the PAEMST award for excellence in teaching.</p>

**Updates**

We have our second student at IMPACCT Academy which is providing a phenomenal transition from High School to the real world.  
 PSAT 8/9, 10 and SATS were administered on a very successful day.  
 Paying for College was very well attended by seniors and their parents on 3/28th. This is a partnership with our Guidance Office and NHHEAF.  
 Guidance and NHEAF also met with Juniors and their families to explore Applying for College.  
 Our ELO coordinator has hosted several exciting and well received field trips including: NHTI, Coed Sportswear and the Shipyard. In addition, Ms. Londo coordinated an amazing job fair.  
 Connections students continue to explore the community visiting local businesses. These trips are financed by the students who sell dog bones, holiday ornaments etc.

**Challenges**

Staffing continues to be our biggest challenge. We have been able to maximize our in house resources to maintain support for our students.

**Discipline**

RHS (3Q ) Term Discipline Report						
Grade	Referrals	# of Students	In School Restriction	# of Students	Out of School Suspension	# of Students
9th	141	39	40	15	4	4
10th	142	34	13	13	1	1
11th	72	23	14	14	1	1
12th	58	14	10	10	0	0
<b>Totals</b>	415	110	77	52	6	6
<b>3rd Quarter 21/22</b>	537	112	98	34	35	21

Top 5 infractions by number of referrals for the marking term:  
 Tardy to class 146  
 Defiance 113  
 Disrespect 36  
 Skip class 19  
 Did not attend consequence 17.

**Student Achievement**

RHS Honor Roll				
	Honors	High Honors	Total	Enrollment
9 <sup>th</sup>	31	1	32	114
10 <sup>th</sup>	19	0	19	82
11 <sup>th</sup>	14	2	16	81

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<b>Upcoming Events</b>	<p>April 14th - 21st Spirit Week  May 1 - 10th AP Testing  May 2nd Coffee with the Principal  May 4th Empty Bowls Fundraiser and Celebration of Excellence  May 5th Community Clean Up Day  June 2nd Prom  June 7th Class Night  June 9th Graduation</p>																											
<b>Other</b>																												