Edmore Public School

706 Main St, Edmore, ND 58330

WEEKLY LESSON PLAN
in MATH 6
2nd Period: 9:35 – 10:27

TEACHER: MARICAR HERNANDEZ

Week of: Mar. 04 – 08, 2024

MONDAY *March 04, 2024*	TUESDAY *March 05, 2024*	WEDNESDAY *March 06, 2024*	THURSDAY *March 07, 2024*	FRIDAY *March 08, 2024*
STANDARDS: 6.GM.AV.1 **CHAPTER 7: AREA, SURFACE AREA AND VOLUME** **LESSON 7.7: Volumes of Rectangular Prisms** **OBJECTIVES:** *Use a formula to find the volume of a rectangular prism. *Use a formula to find the volume of a cube. *Use the volume of a rectangular prism and two of its dimensions to find the other dimension. *Apply volumes of rectangular prisms to solve real-life problems. **BELLRINGER:** Review and Refresh Page 329, No. 2 **ACTIVITY:** >Finding a missing dimension of a rectangular prism. **EXERCISE/ASSIGNMENT:** Page 330, Nos. 15-17,18,19	STANDARDS: 6.GM.AV.1 **CHAPTER 7: AREA, SURFACE AREA AND VOLUME** **LESSONS 7.4 – 7.7: End – Chapter QUIZ** **OBJECTIVES:** *Apply the concepts and skills acquired in lessons 7.4 – 7.7. **BELLRINGER:** Find the volume of a cube with a side length of 4/5 in. **ACTIVITY:** QUIZ 7.4 Three-Dimensional Figures 7.5 Surface Areas of Prisms 7.6 Surface Areas of Pyramids 7.7 Volumes of Rectangular Prisms	STANDARDS: 6.GM.AV.1 **CHAPTER 7: AREA, SURFACE AREA AND VOLUME** **LESSON: Chapter Review and Vocabulary Quiz** **OBJECTIVES:** *Review the concepts and skills acquired in Chapter 7 lessons using a graphic organizer. **BELLRINGER:** Choose two vocabulary in this chapter and define them in own words. **ACTIVITY:** >Vocabulary QUIZ REVIEW – Use a **Four Square** to organize information about a concept. 7.1 Areas of Parallelograms 7.2 Areas of Triangles 7.3 Areas of Trapezoids and Kites 7.4 Three-Dimensional Figures 7.5 Surface Areas of Prisms 7.6 Surface Areas of Pyramids 7.7 Volumes of Rectangular Prisms	**FIELD TRIP @ Winter Park**	STANDARDS: 6.GM.AV.1 **CHAPTER 7: AREA, SURFACE AREA AND VOLUME** **LESSON: Chapter Test** **OBJECTIVES:** *Apply the concepts and skills acquired in Chapter 7 lessons. **BELLRINGER:** Write the formulas of finding the areas of parallelogram, triangle, trapezoid and kite. Describe hoe to get surface areas of prisms and pyramids. Write the formula of finding the volume of rectangular prisms, **ACTIVITY:** ASSESSMENT 7.1 Areas of Parallelograms 7.2 Areas of Triangles 7.3 Areas of Trapezoids and Kites 7.4 Three-Dimensional Figures 7.5 Surface Areas of Prisms 7.6 Surface Areas of Pyramids 7.7 Volumes of Rectangular Prisms

REMARKS:

Edmore Public School

706 Main St, Edmore, ND 58330

WEEKLY LESSON PLAN
in MATH 7
3rd Period: 10:30 - 11:22

TEACHER: MARICAR HERNANDEZ

Week of: Mar. 04 – 08, 2024

MONDAY *March 04, 2024*	TUESDAY *March 05, 2024*	WEDNESDAY *March 06, 2024*	THURSDAY *March 07, 2024*	FRIDAY *March 08, 2024*
STANDARDS: 7.GM.AV.1-2 **CHAPTER 7: GEOMETRIC SHAPES AND ANGLES** **LESSON 7.3: Perimeters and Areas of Composite Figures** **OBJECTIVES:** *Use a grid to estimate perimeters and areas. *Identify the shapes that make up a composite figure. *Find the perimeter and areas of shapes that make up composite figures. **BELLRINGER:** Review and Refresh Page 379, Nos. 1 and 2 **ACTIVITY:** >Exploration 1: Submitting a bid. >Estimating perimeter and area. >Finding perimeter and area. **EXERCISE/ASSIGNMENT:** Page 379, Nos. 9,-14, 15	**STANDARDS: 7.GM.AV.1-2** **CHAPTER 7: GEOMETRIC SHAPES AND ANGLES** **LESSON 7.3: Perimeters and Areas of Composite Figures** **OBJECTIVES:** *Use a grid to estimate perimeters and areas. *Identify the shapes that make up a composite figure. *Find the perimeter and areas of shapes that make up composite figures. **BELLRINGER:** You Be The Teacher Page 380, No.18 **ACTIVITY:** >Finding perimeter and area. >Modeling real life. **EXERCISE/ASSIGNMENT:** Page 380, Nos. 16-17,20 Puzzle Time	**STANDARDS: 7.GM.AV.1-2** **CHAPTER 7: GEOMETRIC SHAPES AND ANGLES** **LESSON 7.4: Finding Unknown Angle Measures** **OBJECTIVES:** *Identify adjacent, complementary, supplementary, and vertical angles. *Use equations to find unknown angle measures. *Find unknown angle measures in real -life situations. **BELLRINGER:** Define: adjacent angles, complementary angles, supplementary angles, vertical angles **ACTIVITY:** >Exploration 1: Using rules about angles. >Naming angles. >Using pairs of angles. **EXERCISE/ASSIGNMENT:** Page 394, Nos. 8-11, 13-15, 16-18	**FIELD TRIP @ Winter Park**	**STANDARDS: 7.GM.AV.1-2** **CHAPTER 7: GEOMETRIC SHAPES AND ANGLES** **LESSON 7.4: Finding Unknown Angle Measures** **OBJECTIVES:** *Identify adjacent, complementary, supplementary, and vertical angles. *Use equations to find unknown angle measures. *Find unknown angle measures in real -life situations. **BELLRINGER:** You Be The Teacher Page 394, No.12 **ACTIVITY:** >Finding an angle measure. >Modeling real life. **EXERCISE/ASSIGNMENT:** Page 395, Nos. 20-28, 29-31

REMARKS:

Edmore Public School

706 Main St, Edmore, ND 58330

WEEKLY LESSON PLAN
in GEOMETRY
4th Period: 11:25 - 12:17

TEACHER: MARICAR HERNANDEZ   Week of: Mar. 04 – 08, 2024

MONDAY *March 04, 2024*	TUESDAY *March 05, 2024*	WEDNESDAY *March 06, 2024*	THURSDAY *March 07, 2024*	FRIDAY *March 08, 2024*
STANDARDS: 9-10.GM.18,19,20,21 **CHAPTER 9: RIGHT TRIANGLES AND TRIGONOMETRY** **LESSON 9.5: The Sine and Cosine Ratios** **OBJECTIVES:** *Explain the sine and cosine ratios. *Find sine and cosine ratios. *Use sine and cosine ratios to solve real-life problems. **BELLRINGER:** Error Analysis Page 480, No 25 **ACTIVITY:** >Finding the sine and cosine of 45º. >Finding the sine and cosine of 30º. >Modeling real life. **EXERCISE/ASSIGNMENT:** Page 480, Nos.21, 23, Page 481, Nos. 27, 28, 35	**STANDARDS: 9-10.GM.18,19,20,21** **CHAPTER 9: RIGHT TRIANGLES AND TRIGONOMETRY** **LESSON 9.6: Solving Right Triangles** **OBJECTIVES:** *Explain inverse trigonometric ratios. *Use inverse trigonometric ratios to approximate angle measures. *Solve right triangles. *Solve real-life problems by solving right triangles. **BELLRINGER:** Prerequisite Skills Practice: Find the value of x then find $\sin \theta$, $\cos \theta$, $\tan \theta$. **ACTIVITY:** >Identifying angles from trigonometric ratios. >Finding angle measures. >Solving a right triangle. >Modeling real life. **EXERCISE/ASSIGNMENT:** Page 487, Nos. 1,3,5,7,9,11,13,15, 19,20	**STANDARDS: 9-10.GM.18,19,20,21** **CHAPTER 9: RIGHT TRIANGLES AND TRIGONOMETRY** **LESSON 9.7: Law of Sines and Cosines** **OBJECTIVES:** *Find areas of triangles using formulas that involve sine. *Solve triangles using the law of sines. *Solve triangles using the law of cosines. **BELLRINGER:** Warm Up Activity! Solve the proportion. $$\frac{a}{\sin 28} = \frac{21}{\sin 65}$$ **ACTIVITY:** >Finding trigonometric ratios for obtuse angle. >Finding the area of a triangle. >Using the law of sines (SSA Case) >Using the law of sines (AAS Case) >Using the law of sines (ASA Case) **EXERCISE/ASSIGNMENT:** Page 495, Nos 1,3,7,11,13,15,20	**FIELD TRIP @ Winter Park**	**STANDARDS: 9-10.GM.18,19,20,21** **CHAPTER 9: RIGHT TRIANGLES AND TRIGONOMETRY** **LESSON 9.7: Law of Sines and Cosines** **OBJECTIVES:** *Find areas of triangles using formulas that involve sine. *Solve triangles using the law of sines. *Solve triangles using the law of cosines. **BELLRINGER:** Error Analysis Page 495, No.29 **ACTIVITY:** >Using the law of cosines (SAS Case) >Using the law of cosines (SSS Case) >Modeling real life. **EXERCISE/ASSIGNMENT:** Page 495, Nos. 21,23,25,27,37,38

REMARKS: The Monday and Tuesday activities are carried over from last week because the students had counseling on Monday and the Tobacco Coalition on Wednesday.

TEACHER: MARICAR HERNANDEZ

Week of: Mar. 04 – 08, 2024

MONDAY *March 04, 2024*	TUESDAY *March 05, 2024*	WEDNESDAY *March 06, 2024*	THURSDAY *March 07, 2024*	FRIDAY *March 08, 2024*
STANDARDS: 9-10.AR.11 CHAPTER 7: POLYNOMIAL EQUATIONS AND FACTORING LESSON: Chapter Review and Vocabulary QUIZ OBJECTIVES: *Review the concepts and skills acquired in Chapter 7 lessons. BELLRINGER: Find the product: $$(x + 6)(x - 4)$$ $$(2y + 4)(2y - 4)$$ ACTIVITY: >Vocabulary QUIZ REVIEW – Make a graphic organizer using the **Definition(Idea) and Example Chart.** 7.1 Adding and Subtracting Polynomials 7.2 Multiplying and Dividing Polynomials 7.3 Special Products of Polynomials 7.4 Solving Polynomial Equations in Factored Form 7.5 Factoring $x^2 + bx + c$ 7.6 Factoring $ax^2 + bx + c$ 7.7 Factoring Special Products 7.8 Factoring Polynomials Completely	STANDARDS: 9-10.AR.11 CHAPTER 7: POLYNOMIAL EQUATIONS AND FACTORING LESSON: Chapter Test OBJECTIVES: *Apply the concepts and skills acquired in Chapter 7 lessons. BELLRINGER: Factor: $x^2 - 11x + 28$ ACTIVITY: ASSESSMENT 7.1 Adding and Subtracting Polynomials 7.2 Multiplying and Dividing Polynomials 7.3 Special Products of Polynomials 7.4 Solving Polynomial Equations in Factored Form 7.5 Factoring $x^2 + bx + c$ 7.6 Factoring $ax^2 + bx + c$ 7.7 Factoring Special Products 7.8 Factoring Polynomials Completely	STANDARDS: 9-10.AR.11 CHAPTER 7: POLYNOMIAL EQUATIONS AND FACTORING LESSON: Performance Task "The View Matters" OBJECTIVES: *Perform operations with polynomials. *Identify ways to rewrite an expression. *Factor a polynomial to find the roots of a polynomial equation. ACTIVITY: >Students look at different representations of a polynomial and select which representation might be best to help them find the solution of a problem. **Mathematical Discourse** Why do we combine like terms or rewrite polynomials? Is it an important skill? Why or why not?	**FIELD TRIP @ Winter Park**	STANDARDS: 9-10.AR.10, 9-10.AR.F.3-12 CHAPTER 8: GRAPHING QUADRATIC FUNCTIONS LESSON 8.1: Graphing $f(x) = ax^2$ OBJECTIVES: *Identify characteristics of quadratic functions and their graphs. *Graph quadratic functions of the form $f(x) = ax^2$. *Compare the graph of $f(x) = ax^2$ to the graph of the parent quadratic $f(x) = x^2$. BELLRINGER: Graph $y = \frac{2}{3}x + 2$. ACTIVITY: >Watch National Geographic Explorer (Explore Math). >Identifying characteristics of a quadratic function. >Graphing $y=ax^2$ when a > 0. > Graphing $y=ax^2$ when a < 0. >Modeling real life. EXERCISE/ASSIGNMENT: Page 429, Nos.1-4,5,6,7,9,13,15 Puzzle Time

REMARKS:

Edmore Public School

706 Main St, Edmore, ND 58330

WEEKLY LESSON PLAN
in MATH 8
6th Period: 1:37 – 2:29

TEACHER: MARICAR HERNANDEZ

Week of: Mar. 04 – 08, 2024

MONDAY *March 04, 2024*	TUESDAY *March 05, 2024*	WEDNESDAY *March 06, 2024*	THURSDAY *March 07, 2024*	FRIDAY *March 08, 2024*
STANDARDS: 8.AR.F.1 – 5 **CHAPTER 7: FUNCTIONS** **LESSON: Chapter Test** **OBJECTIVES:** *Apply the concepts and skills acquired in chapter 7 lessons. **BELLRINGER:** Write a function rule: The output is five less than twice the input. **ACTIVITY:** ASSESSMENT 7.1 Relations and Functions 7.2 Representations of Functions 7.3 Linear Functions 7.4 Comparing Linear and Nonlinear Functions 7.5 Analyzing and Sketching Graphs	**STANDARDS: 8.AR.F.1 – 5** **CHAPTER 7: FUNCTIONS** **LESSON: Performance Task "Heat Index"** **OBJECTIVES:** *Understand that the equation $y = mx + b$ defines a linear function. *Write a linear function using a table and graph. *Use a linear function to estimate values. **BELLRINGER:** Write a function rule: The output is eight less than thrice the input. **ACTIVITY:** Students will be given the rate at which the Heat Index increases for a specific temperature interval and a specific relative humidity value. Students will construct a table that relates the temperature to the Heat Index. Students will graph the data and describe the pattern of the graph. Students will write a linear function to represent this data. Students will estimate the Heat Index at a specific temperature and relative humidity value.	**STANDARDS: 8.GM.GF.4** **CHAPTER 8: ANGLES AND TRIANGLES** **LESSON 8.1: Parallel Lines and Transversal** **OBJECTIVES:** *Identify congruent angles when a transversal intersects parallel lines. *Find angle measures when a transversal intersects parallel lines. **BELLRINGER:** Define: parallel lines, perpendicular lines, transversal **ACTIVITY:** >Watch Steam Video. >Finding angle measures. >Using corresponding angles. **EXERCISE/ASSIGNMENT:** Page 108, Nos.8 – 11, Page 109, Nos. 14 – 16, 17 – 22	**FIELD TRIP @ Winter Park.**	**STANDARDS: 8.GM.GF.4** **CHAPTER 8: ANGLES AND TRIANGLES** **LESSON 8.1: Parallel Lines and Transversal** **OBJECTIVES:** *Identify congruent angles when a transversal intersects parallel lines. *Find angle measures when a transversal intersects parallel lines. **BELLRINGER:** Define: interior angles, exterior angles **ACTIVITY:** >Identifying angle relationship. >Modeling real life. **EXERCISE/ASSIGNMENT:** Page 109, Nos. 23,28,29 Puzzle Time

REMARKS: