

**RED ROCK DAY SCHOOL**

**TEACHER EXPECTATION FOR**

**MATHEMATICS**



# TEACHER Instructions

- ▶ Lesson Focus: Skills to be learned
- Mathematics Standards
  1. Common Core Standards
  2. Priority Standards
  3. Smart Goals
- ▶ Introduce and Check for Readiness
- ▶ Explore by reading problems 3 times
- Learning Objective
  - ❖ Define key academic vocabulary
- Language Objective
  - ❖ Progression of learning, development, and connections
  - ❖ Important to have prior knowledge



❖ Learning in Progression (Growth Mindset/Being Confident)

Prior Knowledge

➤ Section called: Are You Ready?

Diagnostic for prerequisite skills required to succeed

Current Development

Investigate

Build Understanding

Check Understanding, On Your Own

Future Development

Test Prep- assess understanding

Spiral Review- determine if students have retain information taught in the past



# Webex Class Meeting

**Class time: 11:00 am -12:00 am**  
**Monday - Thursday**

## Regular / Intervention

- ▶ Regular class lesson instruction  
Tier II Instruction  
after NWEA Test
- ▶ Use On-line Programs
- ▶ Important for students to log  
on everyday.

## On-Line Programs

- Edgenuity
- HMH Into Math
- ▶ All students will be set up with  
username/password
- ▶ Important to complete  
Growth Measurement Test  
Mathematics  
Placement Test  
Mathematics  
Reading



# Attendance

Important/Participation Grade

**Webex 8<sup>th</sup> Grade Class Meet**

***TIER II Webex Class Meet***

**SPED Webex Class Meet**

**Individual Webex  
(if you need extra help)**

# PRIORITY STANDARDS

## Quarter 1

**Math**

### **Expressions and Equations**

**EE**

**Use similar triangles to explain why the slope  $m$  is the same between any two distinct points on a nonvertical line in the coordinate plane; derive the equation  $y = mx$  for a line through the origin and the equation  $y = mx + b$  for a line intercepting the vertical axis at  $b$ .**



# Common Core Standards

## MATHEMATICS

- Expressions and Equations
- Functions
- Geometry
- Statistic and Probability

## EE.1-EE.8

Integers Exponent

Scientific notation

Square/Cube Roots

Graph slope/unit rate

Equation  $mx + b$

Linear Equation

Curriculum	QUARTER 1	QUARTER 2	QUARTER 3	QUARTER 4
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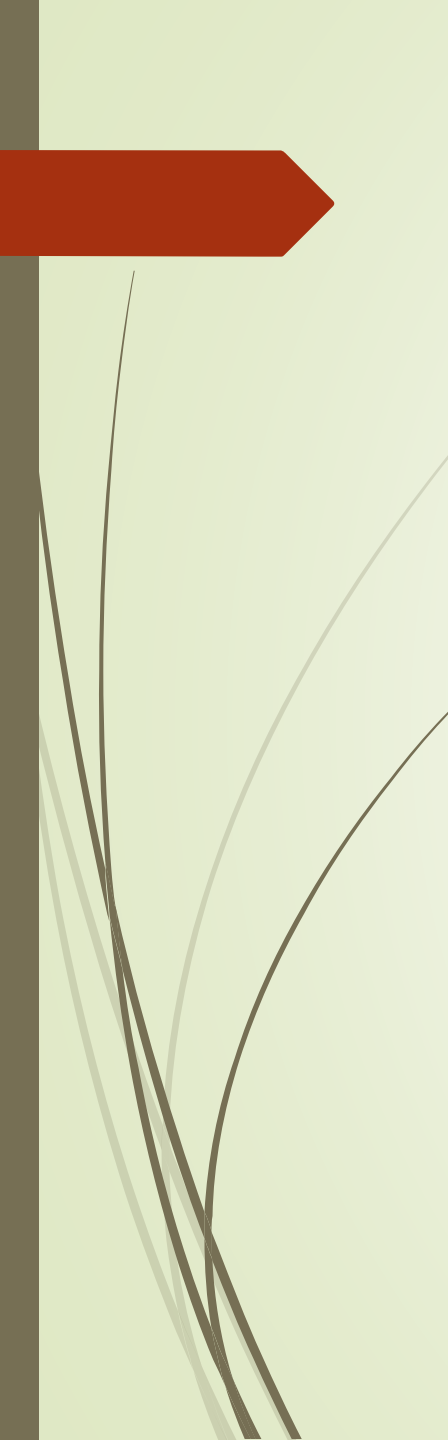
<b>MATHEMATICS</b>	8.EE.1	8.EE.7	8.F.5	8.F.4
	8.EE.2	8.EE.8	8.G.6	8.F.5
Expression/Equation	8.EE.3	8.F.1	8.G.7	8.G.5
Geometry	8.EE.4	8.F.2	8.G.8	8.G.6
Functions	8.EE.5	8.F.3	8.G.9	8.G.7
Statics/Probability	8.F.1	8.F.4	8.G.4	8.G.9
	8.F.2	8.G.1	8.SP.1	8.SP.1
	8.G.1	8.G.2	8.SP.2	8.SP.2
	8.G.2	8.G.3	8.SP.3	8.SP.3
	8.G.3	8.G.5	8.SP.4	8.SP.4
		8.F.5		



# Daily School Activity

## Technology – Phase I:

- ▶ Take a break after ONE hour of work or completion of a subject area assignment. Please work on this daily with your child. It is suggest to establish a time or schedule when work will be done daily.
  - ❖ **Set Routines**
    - Get organize
    - Mange time to spend on a lesson
    - Set up an area to do lessons
  - ❖ **Engagements / Daily Responsibilities**
    - Take breaks after each lessons
    - Develop strategies to problem solve
  - ❖ **Growth Mind Set**
    - Be willing to learn and complete all lessons
    - Strive to improve, get best score, and give best effort
  - ❖ **Behavior**
    - Cooperation to complete all lessons in Learning Packet
    - Interaction: Ask questions, ask for help



<b>SET TIME</b>	<b>Subject:</b>	<b>Student work:</b>	<b>Parent Support:</b>
<b>30 – 1 hour</b>	Math	Problem solution chart Vocabulary Video tutorial	Assist and reread for understanding

## HOMEWORK SUPPORT

Students have **daily homework**

### **Monday to Thursday**

Each weekly Learning Packet lesson have instructions for these.

- Review
- More time to complete

**20-45  
minutes**

**Math**

**Use reference  
resources of  
problem and  
solution**

**Vocabulary**

**Reference resource  
charts**

**Problem-Solution  
Chart**

**Check for  
completion**

## TIER II SUPPORT:

Not all students are required to attend Tier II support. Classroom teacher identify and notify students who will receive small group instruction on lessons or additional support. NWEA Test determines who will be in this program.

<b>Suggest e time:</b>	<b>Subject:</b>	<b>Student work:</b>	<b>Parent Support:</b>
<b>30 mins. 1 hour</b>	Math	Check for more reteach or limit amount of lesson to complete. Student assistances	Check for completion Student log-in



# NWEA TEST

Student NWEA Scores to  
PASS

This is called being  
PROFICIENT

Student are tested three  
times within  
the school year:

Beginning(BOY)

Middle (MOY)

End (EOY)

**READING:** BOY 218.01  
MOY 220.52  
EOY 221.66

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**MATH:** BOY 224.92

MOY 228.12

EOY 230.30

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**LANGUAGE:** BOY 215.54  
MOY 217.73  
EOY 218.74

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**SCIENCE:** BOY 209.64  
MOY 212.41  
EOY 213.44

## 2020 Mathematics Student Achievement Norms

Grade	Fall		Winter		Spring	
	Mean	SD	Mean	SD	Mean	SD
<b>K</b>	139.56	12.45	150.13	11.94	157.11	12.03
<b>1</b>	160.05	12.43	170.18	12.59	176.40	13.18
<b>2</b>	175.04	12.98	184.07	13.01	189.42	13.44
<b>3</b>	188.48	13.45	196.23	13.64	201.08	14.11
<b>4</b>	199.55	14.40	206.05	14.90	210.51	15.56
<b>5</b>	209.13	15.19	214.70	15.88	218.75	16.70
<b>6</b>	214.75	16.12	219.56	16.74	222.88	17.47
<b>7</b>	220.21	17.41	224.04	17.96	226.73	18.60
<b>8</b>	224.92	18.94	228.12	19.33	230.30	19.95
<b>9</b>	226.43	19.83	228.67	20.06	230.03	20.63
<b>10</b>	229.07	20.23	231.21	20.61	232.42	21.25
<b>11</b>	231.72	20.61	233.49	20.91	234.25	21.65
<b>12</b>	233.02	21.60	233.31	23.07	234.19	24.63



## MATHEMATICS

		K	1	2	3	4	5	6	7	8	9	10	11	12	2020 Norms percentile
<b>CCR (Smarter Balanced Level 3)</b>	Spring				204	217	229	230	235	242					58-73
<b>CCR (ACT <math>\geq</math> 22)</b>	Spring						226	232	238	243	246	248*			66-78
<b>CCR (ACT <math>\geq</math> 24)</b>	Spring						230	237	243	248	252	254*			75-86
<b>CCR (SAT <math>\geq</math> 530)</b>	Spring						225	232	237	241	243	245*			64-73
<b>NWEA</b>	Fall	160	181	196	211	223	234	241	249	256	259	262	266	269	95
<b>NWEA</b>	Fall	152	172	188	202	214	224	231	238	244	246	249	252	254	84
<b>NWEA</b>	Fall	146	166	181	195	207	217	223	229	234	236	239	242	244	69
<b>NWEA median</b>	<b>Fall</b>	<b>140</b>	<b>160</b>	<b>175</b>	<b>188</b>	<b>200</b>	<b>209</b>	<b>215</b>	<b>220</b>	<b>225</b>	<b>226</b>	<b>229</b>	<b>232</b>	<b>233</b>	<b>50</b>
<b>NWEA</b>	Fall	133	154	169	182	192	202	207	212	216	217	219	222	222	31
<b>NWEA</b>	Fall	127	148	162	175	185	194	199	203	206	207	209	211	212	16
<b>NWEA</b>	Fall	119	140	154	166	176	184	188	192	194	194	196	198	197	5

# INFORMATION

## ➤ Progress Report

- Sent on home every Monday

## ➤ Official Documents sent to the High School of your choice.

- ❖ Grades
- ❖ NWEA /District Assessments
- ❖ Behavior
- ❖ Academic Mindset/Growth
- ❑ Independence
- ❑ Intelligence
- ❑ Ability to react to setbacks
- ❑ Work habits
- ❑ Peer Interactions
- ❑ Able to keep up with class lessons

## ➤ Start planning which High School to attend next year 2022/23

- ❖ Start application for High School of your choice
- Use internet for application
- Ask for recommendation letters
- ❖ Set Up appointments with High School Registrar