

8TH GRADE LEARNER STANDARDS

ENGLISH 8

Reading

- Find information by using external text features
- Use question/answer or compare/contrast patterns to understand informational texts
- Make inferences from informational texts
- Distinguish facts from opinions
- Identify flashback and foreshadowing
- Identify a character's traits as revealed by other characters
- Identify themes and settings in literature
- Identify figurative language such as similes, metaphors, and symbolism
- Distinguish between free verse and rhyme
- Determine word meanings by using prefixes, suffixes and context clues
- Correctly use commonly confused words
- Identify literal meanings and shades of meanings of words

Writing

- Use supporting details, appropriate word choice, tone and voice
- Organize a paper with an introduction, body, and conclusion
- Edit for correct spelling
- Use quotation marks and commas in dialogue
- Use correct verb tense, relative pronouns, and vary sentence structure
- Capitalize titles and make pronouns and antecedents agree
- Formulate literal, imperative, inferential and evaluative questions
- Choose information that supports the inquiry process
- Distinguish between reliable, unreliable, primary and secondary sources

UNITED STATES HISTORY

- Interpret the role of geography in shaping US history
- Investigate the relationship between events of different time periods, develop an awareness of current events and analyze how contemporary events are affected by history
- Evaluate the economic, political and social reasons why explorers of different countries came to America and their effect on indigenous tribes.
- Analyze European colonization and settlement of North America and examiner the economic, political and social patterns in the development of the 13 English Colonies.
- Understand the significance of key people, groups and the American Revolution in the development of the U.S.
- Assess the foundations and principles the led to the development of the Constitution; examine the basic structure of the Constitution, and how it affects us as citizens today.
- Explore the territorial growth of the United States before the Civil War, conflicts that arose, and analyze how new inventions and transportation stimulated western expansion.
- Examine the expansion of the American Political system, the evolution of the democracy and the impact of social reform before the Civil War Understand the events that led to the Civil War, the factors and key people the affected the course of the war and evaluate the Reconstructions period following the Civil War.
- Analyze the factors that brought people to the American West, their settlement, and conflicts among various groups involved in the settlement.

SCIENCE 8

- Describe the chemical and physical properties of different substances
- Evaluate evidence of chemical and physical change
- Investigate how adding energy affects a chemical or physical change
- Identify the observable features of chemical reactions
- Compare ways that plants and animals obtain and use energy
- Explain ways that organisms depend on each other

- Analyze human influence on the environment to sustain living things
- Compare rocks and minerals and describe how they are related
- Describe changes rocks undergo over long periods of time
- Infer the Earth's history by using rock and fossil evidence
- Compare rapid and gradual changes to Earth's surface
- Investigate the transfer of energy through various materials
- Examine the force exerted on objects by gravity
- Demonstrate the application of forces on objects, and resulting motion
- Analyze various forms of energy and how organisms sense & respond

HEALTH

- Use health knowledge, nutrition and fitness skills, and strategies to enhance self-concept, mental and emotional health, and relationships
- Demonstrate health-promoting and risk-reducing behaviors, prevention and promote safety in the home, school, and community
- Describe physical, mental, social, and emotional changes that occur throughout the life cycle and the interrelationship during adolescence
- Explain the processes of conception, prenatal development, birth and the challenges created by teen and unwanted pregnancies
- Discuss the benefits of sexual abstinence
- Explain the causes, symptoms, and effects of STI's including HIV/AIDS and analyze their impact on self and others

8TH GRADE PHYSICAL EDUCATION

- Apply proper techniques of basic skills during P.E. skill lessons and drills
- Demonstrate basic P.E. skills during individual and team activities
- Develop goals and monitor changes to improve performance
- Assess personal fitness level and maintain a basic exercise plan
- Participate in activities that promote physical fitness
- Demonstrate knowledge of the FITT concept in written and visual form
- Describe the link between physical activity and proper nutritional choice
- Demonstrate responsible choices and working with others in activities
- Recognize the benefits of living a healthy lifestyle

PRE- ALGEBRA

- Compute rational numbers, including negatives, fractions, and decimals
- Rewrite numbers in various forms, and place them on a number line
- Analyze problems involving rational numbers using addition, subtraction, multiplication, and division and simplify these expressions
- Extend knowledge of proportion and similarity to solve problems
- Demonstrate the meaning of ratios, percents, and decimals
- Generate equations using proportional reasoning
- Recognize and use properties of similar triangles to solve problems
- Understands how to find the slope of a line
- Illustrate a relation using tables, graphs, and algebraic symbols
- Assess algebraic expressions, equations and inequalities and simplify
- Distinguish relationships using graphs, tables, and other models
- Apply the properties of proportionality of different units of measure
- Use formulas for surface area and volume of three-dimensional figures
- Explain the difference between probabilities of events and compares theoretical and experimental probability

ALGEBRA 1

- Analyze rational and irrational numbers on a number line
- Rearrange expressions in simplified form
- Apply the Pythagorean Theorem
- Identify the slope of a line when given different points of information
- Interpret the slope of a linear function as rate of change in real-life situations
- Determine change in slope or y-intercept when using slope-intercept form
- Rewrite linear equations in slope-intercept and standard form
- Create the equation of a line when given the graph of a line
- Identify the x- and y-intercepts from an equation or a graph
- Model linear relations and inequalities by graphing

- Compute solutions and solve linear equations, inequalities, and proportions and quadratic equations
- Write quadratic equations when given the solutions
- Solve systems of two linear equations
- Graph a system of linear inequalities and identify the solution
- Determine if the relationship between two variables is linear or nonlinear
- Categorize the relationship between two linear variables as having positive, negative, or no correlation
- Compile, record, organize, and display a set of data
- Demonstrate mastery of performing operations on polynomials

GEOMETRY

- Recognize numerical patterns and illustrate vocabulary terms of geometry
- Formulate conditional converse, inverse, contrapositive and bi-conditional statements
- Solve an algebraic equation using properties of algebra
- Apply the process of deductive reasoning to prove geometric theorems
- Proofs about segments, angles, parallel lines, perpendicular lines, triangles and parallelograms, and the Pythagorean Theorem
- Compare the slope of lines to determine their relationship
- Analyze and classify triangles based upon angle measure and side length
- Identify and describe properties of points of concurrency in a triangle
- Explain the properties of the points of concurrency
- Categorize quadrilaterals into subgroups
- Compute measure of an unknown length using ratios and similar polygons
- Decide if two triangles are similar or congruent
- Use Pythagorean Theorem to determine the length of sides or ifa triangle is right, acute or obtuse
- Apply trigonometric ratios to calculate the measure of sides or angles
- Convert radicals into a reduced form if possible
- Apply the properties of circles lines and segments intersecting parts of a circle to calculate missing values
- Describe the center and radius of a circle given its equation
- Determine the area of any regular polygon, circle or section of a circle
- Compute the surface area and volume of prisms, cylinders, pyramids, cones and spheres
- Identify and classify prisms based on their nets

ART FOUNDATIONS 1

- Plan and organize an artwork using the elements of design
- Explore numerous art media, techniques and processes
- Analyze the impact of different cultures on art
- Differentiate between fore, middle, and background to show depth
- Produce an accurate color wheel using only the three primary colors

ART 2 DESIGN

- Explore a variety of art media and equipment
- Generate multiple artworks using printmaking methods
- Create detailed drawings using one and two point perspective
- Compose drawings using correct proportions, values, and shading
- Design works of art using opaque and transparent painting techniques

3-D ART

- Explore numerous art media, techniques, and processes
- Safely and appropriately use a variety of art tools
- Recognize the value of creative/divergent thinking in art class and life
- Compose a 3 dimensional artwork using a 2 dimensional idea
- Effectively organize shape, space, and balance to create 3-D works of art

BEGINNING BAND

- Demonstrate correct position, care of instrument, and rehearsal technique
- Demonstrate an understanding of beginning including: embouchure, tone quality, intonation, articulation, finger dexterity, and range
- Recognize and demonstrate proper usage of basic rhythms

- Understand basic music theory vocabulary
- Perform 4 major scales and arpeggios up to one octave: Bb, Eb, F, C
- Perform beginning ensemble sight-reading and performance skills
- Perform band literature in a variety of styles appropriate to playing level

INTERMEDIATE BAND

- Improve technique to intermediate level
- Recognize and demonstrate proper usage of intermediate rhythms
- Understand intermediate music theory and musical terms
- Perform 8 Major scales and arpeggios up to one octave
- Perform intermediate ensemble sight-reading and performance skills
- Perform band literature in a variety of styles appropriate to playing level
- Develop multicultural, interdisciplinary, critical listening and historical aspects of music

SYMPHONIC BAND

- Improve playing technique to an advanced level
- Understand advanced music theory and rhythms
- Perform all 12 major scales and arpeggios up to and octave and a half
- Develop advanced ensemble sight-reading and performance skills
- Perform band literature in a variety of styles appropriate to playing level
- Develop multicultural, interdisciplinary, critical listening and historical aspects of music

JAZZ BAND

- Demonstrate an understanding of advanced music theory, ear training and musical interpretation in this style
- Perform major, mixolydian & dorian scales swing to the ninth note
- Perform jazz literature in a variety of styles including Swing, Latin, and Rock
- Develop rhythmic accuracy
- Demonstrate correct jazz articulations
- Develop ability in Jazz improvisation

INTERMEDIATE PERCUSSION ENSEMBLE

- Demonstrate ability to perform advanced rhythms
- Demonstrate ability to perform 12 major scales and arpeggios
- Demonstrate ability to perform various percussion instruments
- Demonstrate ability to perform as an ensemble as well as with the band
- Demonstrate knowledge of musical terms and theory

BEGINNING ORCHESTRA

- Demonstrate good playing posture and bow hold
- Recognize, write and play major scales D, G, C
- Name and play all of the notes in first position
- Distinguish out of tune notes, sharp or flat
- Demonstrate knowledge of terms in the glossary of All For Strings Book 1
- Demonstrate knowledge of whole, quarter, half, eighth notes and rests
- Create simple melodies on one string and write basic compositions
- Demonstrate skills involved with their instrument on a level one piece

INTERMEDIATE ORCHESTRA

- Demonstrate good posture and a flexible bow hold
- Recognize, write and play major and minor two octave scales
- Demonstrate ability to shift between first and third position
- Demonstrate ability to correctly tune own instrument
- Display a working vibrato
- Demonstrate knowledge of terms in the glossary of All For Strings Book II
- Demonstrate ability to count notes and rests, triplets, cut time
- Improvise on and write for their instrument in first position
- Demonstrate skills involved with their instrument on a 2nd year level

ADVANCED ORCHESTRA

- Demonstrate the posture and tone of an advanced player
- Recognize, write and play three octave scales
- Demonstrate how to write and recognize intervals and octaves (*continued*)

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- Demonstrate ability to shift from any position between 1st and 5th
- Display a solid vibrato
- Demonstrate high level bow manipulation
- Perform all bowing styles, tempos, and dynamic markings
- Create new melodies and rhythms in any meter
- Demonstrate skills involved with their instrument on a 3rd year level

TIMBERLINE SING

- Demonstrate the ability to sing their part independently
- Execute sight singing using 3rds, 4ths, 5ths, 6ths, and octaves
- Implement dynamic symbols, basic musical terms and tempos
- Read and sing all Latin vowels
- Demonstrate the ability to sing with power and sensitivity
- Identify and use all note values including the dot

BOYS AND GIRLS CHORUS

- Demonstrate a clear, open vocal tone
- Identify and use quarter, half, dotted half, whole and eighth notes & rests
- Identify all lines and spaces of the treble and bass clef
- Demonstrate the ability to sing their part independently (3-part harmony)
- Execute step-wise 2nds and 3rds
- Recognize and implement simple dynamics

CLOTHING/INTERIOR DESIGN

- Discuss values, goals, decision-making and personal responsibility
- Discuss personal financial responsibility and wise consumer purchases
- Categorize the basic elements and principles of design
- Using floor plan & templates, arrange furniture for an apartment or home
- Demonstrate the ability to use and care for the sewing machine
- Use and identify small sewing equipment safely
- Use basic sewing techniques while constructing project from a pattern
- Explore fashion trends and their cycles throughout history
- Identify careers related to clothing and textiles

FACS FOODS

- Identify and use kitchen equipment and appliances
- Explain basic food-preparation terminology
- Demonstrate kitchen safety, sanitation and first aid
- Demonstrate food-preparation and kitchen management skills
- Explore dietary guidelines and food guide pyramid
- Evaluate personal dietary intake
- Produce quality food products from each area of the food guide pyramid
- Identify food sources and functions of vitamins, minerals, carbohydrates, proteins, fats water and fiber

INTERMEDIATE TECH

- Understand problem solving and its practical applications in society.
- Understand the correlation of changing society and changing technology
- Develop an understanding of design by creating individual projects
- Select and use agricultural and related biotechnologies
- Understand and use energy and power, information and communication, transportation and manufacturing technologies to produce a product.

CREATIVE WRITING

- Bring settings to life through description, movement, and history
- Bring characters to life by discovering voices, motives, back stories, and alternating points of view
- Create "one scene openers" and short stories
- Collaborate in world creation – fantasy and contemporary
- Improve upon poetry – rhyme, rhythm, and theme
- Engage in metaphorical, symbolic writing
- Adapt screenplays and scripts

- Explore humorous writing
- Brainstorm with music to capture a picture and a tone
- Perfect the usage of dialogue
- Identify, discuss, and incorporate universal themes
- Write and illustrate children's books
- Synthesize synopses and queries for potential publishers and agents
- Highlight works in progress and writing developments

MEN'S DANCE

- Demonstrate and explore basic elements of dance including movement, space, time and energy
- Explore several different dance
- Focus on agility, balance, coordination, rhythm, and spatial awareness
- Demonstrate fitness, conditioning, overall coordination and composition as it pertains to dance and other forms of physical activity

DANCE INTRO/ DANCE INTRO ADVANCED

- Demonstrate correct technique and knowledge of the body
- Demonstrate the elements of dance: Body, Energy, Space, and Time
- Demonstrate and perform techniques and identify these in another dancer
- Understand dance as a means to create and communicate meaning
- Create and perform a movement sequence based upon a dance element
- Evaluate a sequence or dance with a beginning, middle and end
- Define and perform the process of abstraction
- Identify the purposes served by dance through time and in world cultures
- Explore how dance can be used collaborative with other school subjects
- Participate in dance concert

DANCE 1

- Demonstrate techniques and knowledge of the body and identify basic physical needs to maintain a healthy, safe body for dance
- Demonstrate skill in the elements of dance: Body, Energy, Space, and Time
- Improvise in a group and perform improvisation based on an idea
- Understand dance as a means to create and communicate meaning
- Create and perform a movement sequence/dance study
- Create, perform, and evaluate a dance study in a small group with a beginning, middle, and end demonstrating unison, contrast, and transition
- Demonstrate the ability to work cooperatively in a small group sharing choreographic ideas equally
- Create movement patterns using the process of abstraction based on a single gesture, and analyze the changes in meaning the alteration creates
- Identify the various purposes served by dance through time and cultures
- Analyze dance as a powerful means of expression
- Participate in dance concert

DRAMA 1

- Demonstrate theatrical staging technique
- Create and perform a character through physicality
- Rehearse and perform a choral reading using proper vocal technique and characteristics
- Analyze a play according to correct story structure
- Write and stage an original play as a group
- Identify and perform basic improvisational acting skills
- Perform a rehearsed and memorized scene
- Perform a one minute monologue audition

INTRODUCTION TO COMMUNICATIONS TECHNOLOGY

- Comprehend multiple types of communications technology
- Apply knowledge of communications tools materials and processes to design and create a small project in each of the following areas: logos and slogans, graphic design, video editing, digital photography, photo editing, slide shows, CNC or laser engraving, and drafting
- Analyze the potential of each media for a major communications project

WORLD LANGUAGE LEVEL 1

- Identify sounds & symbols of the language, including alphabet & numbers
- Communicate in the language about time, routines, clothing, home, food, activities, family, pets, weather, and likes & dislikes
- Generate situational conversations, such as- introductions & ordering food
- Formulate questions in the language to acquire information
- Develop basic reading skills
- Compare and contrast one's own culture and geography with others

WORLD LANGUAGE LEVEL 2

- Communicate in the language about cities, directions, transportation, shopping, trips, chores, jobs, & detailed descriptions
- Generate situational conversations such as, making traveling arrangements
- Differentiate between & produce language in the past, present, and future
- Expand reading & writing skills
- Extend knowledge of the history & culture of the chosen language

STAGE CREW 1

- Correctly define basic stage terminology
- Hang, focus, run, and design stage lighting
- Run and design theatrical sound
- Design theatrical sets, costumes, and masks

KEYBOARDING 1

- Demonstrate eyes on copy, correct fingering, proper techniques, and appropriate posture while operating the keyboard
- Express knowledge of computer components, functions, and care
- Develop and improve key stroking along with speed and accuracy
- Incorporate numbers, symbols and punctuation marks
- Comprehend basic word processing functions using a variety of documents
- Proofread and make corrections using word processing software
- Compose sentences, short paragraphs, and stories at the keyboard

KEYBOARDING APPLICATIONS

- Demonstrate mastery of touch keyboarding
- Practice and reinforce correct keyboarding techniques
- Increase keyboarding skill through drills, increasing speed
- Students will increase accuracy using appropriate drills and timed writings
- Use word processing software to create, format, and edit documents
- Improve composition and editing skills

PEER TUTOR—Application Required

- Instruct special needs students and build their self-confidence by helping them learn and understand concepts
- Practice skills with student until they are able to do them independently
- Assist in transferring learned knowledge to real life situations on field trips.
- Complete additional assignments.

Timberline Grizzlies are:

1. Active Inquirers
2. High Achievers
3. Responsible Citizens

2010-2011 Timberline Grizzly Standards

8th

Essential knowledge and skills
students should know and
be able to demonstrate.



"Timberline Middle School Community
will foster an environment
which encourages and facilitates
active inquiry, high achievement,
and responsible participation in society."

