

Goals for 4th – 6th Graders

Math

- Has memorized +, −, x, ÷ facts
- Can solve long multiplication problems without materials
- Can solve long division problems without materials
- Can determine mode, median, mean, and range of a group of data
- Can read and create graphs as a way to compile data
- Able to solve fraction problems
 - Addition with like and unlike denominators
 - Subtraction with like and unlike denominators
 - Multiplication
 - Fraction x whole number
 - Whole number x fraction
 - Fraction x fraction
 - Division
 - Fraction ÷ whole number
 - Whole number ÷ fraction
 - Fraction ÷ fraction
- Able to change fractions to decimals and decimals to fractions

Math

- Able to solve decimal problems
 - Change fractions into decimals using the converter
 - Change decimals into fractions
 - Read decimals
 - Addition & Subtraction
 - Multiplication
 - Decimal x whole number
 - Whole number x decimal
 - Decimal x decimal
 - Division
 - Decimal ÷ whole number
 - Whole number or decimal ÷ decimal
- Can compute money math
- Can convert from ratio to decimal to percent
- Can solve problems using the order of operations
- Able to solve algebra (+ and -)
- Able to solve algebra (x and ÷)
- Able to square numbers with and without the material
- Able to determine the square root
- Able to cube numbers with and without materials
- Able to determine cube root

Goals for 4th – 6th Graders

Language - Basic Skills

- Able to identify the parts of speech (advanced level):
 - Nouns
 - Pronouns
 - Adjectives
 - Articles
 - Verbs
 - Adverbs
 - Conjunctions
 - Prepositions
 - Interjections
- Sentence analysis
 - Subject & predicate
 - Direct object
 - Indirect object
 - Adverbial extensions

Language - Reading

- Experience reading a variety of genres and able to identify different genres
- Comfortable leading a Socratic seminar discussion
- Read at least 30 minutes per day

Language - Writing Skills

- Uses correct sentence structure (Capital first letter; concluding with end punctuation.)
- Writes complete and detailed paragraphs
- Skilled at writing a 5 paragraph essay
 - notecards
 - outline
 - rough drafts
 - editing
 - final draft with bibliography
- Understands and uses the 6 Traits of Writing
- Experience writing in a variety of styles: poetry, journaling, stories, etc.
- Skilled at typing (Practice using Mavis Beacon every day.)

Language - Public Speaking

- Comfortable presenting a 5 minute presentation including a visual aid.
- During public speaking, can make eye contact with audience, keeps audience interested, speaks loudly and clearly, and can answer follow up questions.

Goals for 4th – 6th Graders

Geography

- Locate all 50 states on a map
- Able to read a map key or legend
- Able to use scale to determine distance on a map
- Use latitude and longitude coordinates to locate places on a map
- Memorize all 50 states and capitals
- Know all six pin maps well
- Completed study of a continent (5th grade project)
- Can name and define different biomes
- Completed planning a trip (6th grade project)
- Economic Geography

Social Skills

- Works with a variety of different people
- Able to make requests instead of demands
- Plays with a variety of different people
- Knows when to lead and when to follow
- Uses conflict resolution skills to brainstorm and implement win-win strategies
- Successfully leads class meetings

History

- Develop an understanding and appreciation of what has come before us, by hearing the 5 Great Lessons and by digging deeper to learn more
- Shows an interest in understanding people and events from the past
- Has researched a number of ancient civilizations using the fundamental needs of humans
- Participate fully in Native American unit
- Participate in U.S. history unit up to the 20th century
- Understanding of U.S. history unit of the 20th century

Personal Skills

- Completes a feelings self-check every day
- Able to just be (be still and comfortable with yourself)
- Understand that there are a variety of tools for peacefulness

Goals for 4th – 6th Graders

Geometry

- Able to name and define basic geometry terms (point, line, ray, etc.)
- Able to name and define different types of lines and angles
- Able to name and define all 2D shapes
- Able to name and define all 3D shapes
- Can determine perimeter
- Has a firm understanding of congruence, similarity, and equivalence
- Able to determine the area of:
 - rectangles
 - parallelograms
 - triangles
 - trapezoids
 - regular polygons
- Knows the difference between English measurement and metric measurement
- Able to measure and convert (for example from feet to inches)
- Can determine circumference of any circle
- Can determine the area of any circle
- Can determine the volume of prisms
- Can determine the volume of non-prisms

Geometry (continued)

- Can determine the surface area of prisms
- Understands the Pythagorean Theorem

Science

- Understands and can explain the 6 functions of plants
- Understands and can explain the 6 functions of animals
- Understands and can explain the 6 functions as they relate to humans
- Can think like a scientist: question, observe, analyze, evaluate
- Can think like an engineer: can use the design cycle to solve problems
- Understanding of basic earth science
- Understanding of basic astronomy
- Understanding of basic physics
- Understanding of basic chemistry

Practical Life

- Uses time management skills
- Cleans up after self