

# NWEA

## Language Arts

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## Science

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## Growth: Language 2-12 NWEA 2017

### Mechanics

- Capitalization
- Punctuation
- Spelling

### Parts of Speech

- Nouns and Pronouns
- Verbs
- Adjectives and Adverbs
- Prepositions, Conjunctions, and Interjections

### Usage

- Phrases and Clauses
- Sentence Structure, Sentence Types, and Meaning
- Subject-Verb Agreement

### Writing Process

- Prewriting and Planning; Research
- Genres
- Organize; Use Transitions
- Develop Thesis or Topic, Provide Supporting Details, and Draft
- Purpose, Audience, Style, and Tone

## Growth: Reading K-2 NWEA 2017

### Phonological Awareness

Rhyming, Phonological Blending, and Syllabication

Phoneme Identification, Phonemic Blending, and Manipulation of Sounds

### Phonics

Consonants

Vowel Patterns

Decoding, Sight Words, and Syllabication

### Concepts of Print

Developmental Reading Skills and Foundations of Print

### Word Structure and Meaning

Word Structure – Affixes, Base words, Compound Words

Word Meaning – Word Relationships, Context Clues, Content Vocabulary

### Comprehension

Literary Concepts

Informational Concepts

### Writing

Writing Process

Capitalization, Punctuation, and Spelling

Parts of Speech and Usage

## Growth: Reading 2-5 NWEA 2017

### Word Meaning: Word Origins, Word Relationships, and Semantics

- Use Letters, Syllables, Affixes and Roots
- Use Antonyms, Synonyms, Homographs, and Word Nuances
- Use Context Clues

### Literary Concepts: Main Ideas, Details, and Inferences

- Identify Main Ideas or Details, Summarize, and Locate Information
- Draw Conclusions, Infer, and Make Predictions
- Identify and Analyze Characterization, Plot, and Setting

### Literary Concepts: Purpose, Structure, and Devices

- Analyze Author's Purpose, Style, and Viewpoint
- Analyze Structure and Genre
- Identify and Interpret Literary Devices and Figurative Language

### Informational Concepts: Main Ideas, Details, and Inferences

- Identify Main Idea or Details, Summarize, and Locate Information
- Distinguish Fact and Opinion, Draw Conclusions, Infer, and Make Predictions
- Follow Directions, Identify Sequence, and Use Visuals

### Informational Concepts: Purpose, Structure, and Argument

- Analyze Author's Purpose and Viewpoint
- Analyze Structure and Genre
- Analyze Author's Argument and Credibility

**Growth: Reading 6+ NWEA 2017****Word Meaning: Word Origins, Word Relationships, and Semantics**

- Use Letters, Syllables, Affixes and Roots
- Use Antonyms, Synonyms, Homographs, and Word Nuances
- Use Context Clues

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- Analyze Author's Argument and Credibility

## Growth: Spanish Reading K-2 General 2019

### Destrezas fundamentales

- Fonética y reconocimiento de palabras
- Conciencia fonológica
- Conceptos de lo impreso

### Lenguaje y escritura

- Escribir en mayúsculas, deletrear, puntuar
- Lenguaje: gramática y uso
- Escritura: Propósitos: planificar, desarrollar, revisar

### Literatura y texto informativo

- Texto informativo: ideas clave, detalles, composición, estructura
- Literatura: ideas clave, composición, estructura

### Vocabulario: uso y funciones

- Lenguaje: claves contextuales y fuentes de referencia
- Vocabulario: adquisición y uso

**Growth: Spanish Reading 2-5 General 2019****Texto literario: ideas clave y detalles**

Sacar conclusiones, inferir, predecir

Resumir; analizar temas, personajes, eventos

**Texto literario: lenguaje, composición y estructura**

El sentido figurado y connotativo; tono

Punto de vista, propósito, perspectiva

Estructuras y características del texto

**Texto informativo: ideas clave y detalles**

Sacar conclusiones, inferir, predecir

Resumir; analizar ideas centrales, conceptos y eventos

**Texto informativo: lenguaje, composición y estructura**

Punto de vista, propósito, perspectiva, lenguaje figurado y retórico

Estructuras y características del texto

**Vocabulario: adquisición y uso**

Claves contextuales y palabras de significados múltiples

Relaciones y matices en los significados entre palabras

Partes de palabras, fuentes de referencia y vocabulario académico

## Growth: Spanish Reading 6-8 General 2019

### Texto literario: ideas clave y detalles

Sacar conclusiones, inferir, predecir

Resumir; analizar temas, personajes, eventos

### Texto literario: lenguaje, composición y estructura

El sentido figurado y connotativo; tono

Punto de vista, propósito, perspectiva

Estructuras y características del texto

### Texto informativo: ideas clave y detalles

Sacar conclusiones, inferir, predecir

Resumir; analizar ideas centrales, conceptos y eventos

### Texto informativo: lenguaje, composición y estructura

Punto de vista, propósito, perspectiva, lenguaje figurado y retórico

Estructuras y características del texto

### Vocabulario: adquisición y uso

Claves contextuales y palabras de significados múltiples

Relaciones y matices en los significados entre palabras

Partes de palabras, fuentes de referencia y vocabulario académico



## Growth: Math K-2 NWEA 2017

### Computation and Problem Solving

Whole Number Operations

Represent and Solve Word Problems

### Number Sense

Counting, Cardinality, and Ordinal Numbers

Whole Numbers and Fractions: Place Value Concepts and Comparisons

### Measurement and Geometry

Measurement, Money, and Problem Solving with Units

Shapes, Attributes, and Spatial Reasoning

### Statistics and Probability

Data, Probability, and Predictions

### Algebra

Patterns, Algebraic Concepts and Relationships

**Growth: Math 2-5 NWEA 2017****Computation and Problem Solving**

- Whole Number Operations
- Fraction and Decimal Operations
- Whole Numbers: Represent & Solve Problems
- Fractions and Decimals: Represent & Solve Problems

**Number Sense**

- Whole Numbers: Place Value, Counting & Rounding
- Fractions, Decimals, and Percents: Concepts
- Fractions, Decimals, and Percents: Equivalency
- Number Theory

**Geometry**

- 2-D and 3-D Identification and Classification
- Spatial Reasoning, Similarity, Congruence & Scale Factors
- Lines, Angles, and Coordinate Geometry

**Measurement**

- Length, Weight, Mass, Capacity & Angles
- Time, Temperature, and Money
- Perimeter, Area, Surface Area, and Volume

**Data, Statistics, and Probability**

- Collect, Represent, and Analyze Data
- Probability and Sample Spaces

**Algebraic Concepts**

- Patterns, Function Tables, and the Coordinate Plane
- Expressions and Equations

**Growth: Math 6+ NWEA 2017****Computation and Problem Solving**

Whole Number Operations  
Fraction and Decimal Operations  
Whole Numbers: Represent & Solve Problems  
Fractions and Decimals: Represent & Solve Problems  
Integer, Rational, Real, and Complex Numbers  
Proportional Reasoning and Percent  
Exponents, Radicals, and Scientific Notation

**Number Sense**

Whole Numbers: Place Value, Counting & Rounding  
Fractions, Decimals, and Percents: Concepts  
Fractions, Decimals, and Percents: Equivalency  
Integer, Rational, and Real Number: Concepts  
Rate, Ratio, Proportion, and Percent  
Exponents, Radicals, and Scientific Notation  
Number Theory

**Geometry**

2-D and 3-D Identification and Classification  
Spatial Reasoning, Similarity, Congruence & Scale Factors  
Lines, Angles, Polygons, and Coordinate Geometry  
Transformations  
Pythagorean Theorem, Trigonometry & Special Right Triangles  
Circles

**Measurement**

Length, Weight, Mass, Capacity & Angles  
Time, Temperature, and Money  
Perimeter, Area, Surface Area, and Volume

**Data, Statistics, and Probability**

Collect, Represent, and Analyze Data  
Probability and Sample Spaces  
Population Sampling and Research Design

**Algebraic Concepts**

Patterns, Function Tables, and the Coordinate Plane  
Expressions

Equations and Inequalities

System of Equations and Inequalities

Linear Functions, Slope, and Rate of Change

Nonlinear Functions

Definitions, Properties, and Operations of Functions

## Growth: Algebra 1 NWEA 2017

### Number Sense, Properties, and Number Theory

- Number Sense: Real Numbers
- Properties of Real Numbers
- Number Theory

### Computation and Estimation with Real Numbers

- Computation with Real Numbers
- Ratio and Proportion
- Estimation with Real Numbers

### Patterns, Functions, and Graphing

- Patterns: Arithmetic and Geometric
- Functions
- Coordinate Graphing

### Expressions

- Evaluate and Simplify Expressions
- Operations with Algebraic Expressions

### Equations and Inequalities

- Linear Equations
- Linear Inequalities
- Systems of Linear Equations and Inequalities
- Non-Linear Equations

## Growth: Algebra 2 NWEA 2017

### Number Sense, Properties, and Number Theory

- Number Sense: Complex Numbers
- Properties of Complex Numbers
- Number Theory

### Computation and Estimation with Real Numbers

- Computation with Complex Numbers
- Ratio and Proportion; Trigonometric Ratios
- Estimation with Real Numbers

### Patterns, Functions, and Graphing

- Patterns Sequences, and Series
- Functions
- Coordinate Graphing

### Expressions

- Evaluate and Simplify Expressions
- Operations with Algebraic Expressions

### Equations and Inequalities

- Linear Equations
- Linear and Non-Linear Inequalities
- Systems of Linear Equations and Inequalities
- Non-Linear Equations

## Growth: Geometry NWEA 2017

### Properties of Geometric Shapes

Points, Lines, Planes, and Angles

Polygons and Circles

Three-Dimensional Figures

### Measurement of Geometric Shapes

Perimeter and Circumference

Area and Surface Area

Volume

### Geometric Relationships

Congruence and Similarity

Pythagorean Theorem, Right Triangle Trig

Transformations and Symmetry

Coordinate Graphing and Distance

**Growth: High School Integrated Math 1 NWEA 2020****Number Sense, Properties, and Number Theory**

- Number Sense: Real Numbers
- Properties of Real Numbers
- Number Theory

**Computation and Estimation with Real Numbers**

- Computation with Real Numbers
- Ratio, Proportion, Percent, and Rate
- Estimation with Real Numbers

**Measurement**

- Perimeter and Circumference
- Area and Surface Area
- Volume

**Geometry**

- Points, Lines, Planes, and Angles
- Three-Dimensional Figures
- Transformations and Symmetry
- Coordinate Graphing and Distance

**Statistics and Probability**

- Collect, Organize, Analyze Data
- Probability

**Algebraic Concepts**

- Patterns, Sequences: Arithmetic and Geometric
- Functions
- Evaluate and Simplify Expressions
- Linear Equations
- Linear Inequalities
- Systems of Linear Equations and Inequalities



## Growth: High School Integrated Math 2 NWEA 2020

### Number Sense, Properties, and Number Theory

Number Sense: Real Numbers

Properties of Real Numbers

### Computation and Estimation with Real Numbers

Computation with Real Numbers

Ratio, Proportion, Percent, and Rate

Estimation with Real Numbers

### Measurement

Perimeter and Circumference

Area and Surface Area

Volume

### Geometry

Points, Lines, Planes, and Angles

Polygons and Circles

Three-Dimensional Figures

Congruence and Similarity

Pythagorean Theorem, Right Triangle Trig

Transformations and Symmetry

Coordinate Graphing and Distance

### Statistics and Probability

Collect, Organize, Analyze Data

Probability

### Algebraic Concepts

Patterns, Sequences: Arithmetic and Geometric

Functions

Evaluate and Simplify Expressions

Operations with Algebraic Expressions

Linear Equations

Linear Inequalities

Systems of Linear Equations and Inequalities

Non-Linear Equations

**Growth: High School Integrated Math 3 NWEA 2017****Number Sense, Properties, and Number Theory**

Number Sense: Real, Complex, Matrices, Logarithms  
Properties of Real and Complex Numbers  
Number Theory

**Computation and Estimation**

Computation: Complex Numbers, Matrices, Logarithms  
Ratio, Proportion, Percent, and Rate  
Estimation with Real Numbers

**Measurement**

Perimeter and Circumference  
Area and Surface Area  
Volume

**Geometry**

Points, Lines, Planes, and Angles  
Polygons and Circles  
Three-Dimensional Figures  
Congruence and Similarity  
Pythagorean Theorem and Trigonometry  
Transformations and Symmetry  
Coordinate Graphing

**Statistics and Probability**

Collection, Organization, Analysis of Data  
Probability and Combinatorics

**Algebraic Concepts**

Patterns, Sequences, and Series  
Functions and Relations  
Evaluate and Simplify Expressions  
Operations with Algebraic Expressions  
Linear Equations  
Linear and Non-Linear Inequalities  
Systems of Linear Equations and Inequalities  
Non-Linear Equations

## Growth: Spanish Math K-2 General 2019

### Operations and Algebraic Thinking

Represent and Solve Problems

Properties of Operations

### Number and Operations

Understand Place Value, Counting, and Cardinality

Number and Operations: Base Ten and Fractions

### Measurement and Data

Solve Problems Involving Measurement

Represent and Interpret Data

### Geometry

Reason with Shapes and Their Attributes

## Growth: Spanish Math 2-5 General 2019

### Operations and Algebraic Thinking

Represent and Solve Problems

Analyze Patterns and Relationships

### Number and Operations

Understand Place Value, Counting, and Cardinality

Number and Operations in Base Ten

Number and Operations - Fractions

### Measurement and Data

Geometric Measurement and Problem Solving

Represent and Interpret Data

### Geometry

Reason with Shapes, Attributes, & Coordinate Plane

## Growth: Spanish Math 6+ General 2019

### Operations and Algebraic Thinking

Expressions and Equations

Use Functions to Model Relationships

### The Real and Complex Number Systems

Ratios and Proportional Relationships

Perform Operations

Extend and Use Properties

### Geometry

Geometric Measurement and Relationships

Congruence, Similarity, Right Triangles, & Trig

### Statistics and Probability

Interpreting Categorical and Quantitative Data

Using Sampling and Probability to Make Decisions

**Growth: Science 3-5 NWEA 2017**

Life Sciences

- Organisms
- Ecosystems
- Heredity and Evolution

Earth and Space Sciences

- Earth in Space
- Earth Systems
- Human Interactions with Earth

Physical Sciences

- Matter
- Forces
- Energy and Waves

**Growth: Science 6+ NWEA 2017**

Life Sciences

- Organisms
- Ecosystems
- Heredity and Evolution

Earth and Space Sciences

- Earth in Space
- Earth Systems
- Human Interactions with Earth

Physical Sciences

- Matter
- Forces
- Energy and Waves