Grade 4 Overview

Gr4	How we express ourselves	Sharing the planet	How we organize ourselves	Where we are in place and time	How the world works	Who we are
Topic	First Unit: Voice	Second Unit: Deforestation	Third Unit: Waste Management	Fourth Unit: Migration	Fifth Unit: Simple Machines	Sixth Unit: Role Models
Timeline	6 weeks (Sept 1st – Oct10th 2019)	8 weeks (Oct 13th – Dec 20th 2019)	5 weeks (Jan. 5th – Feb. 6th 2020)	5 weeks (Feb. 9th – Mar. 18th 2020)	7 weeks (Apr 5th – May 21st 2020)	4 weeks (June 1st – June 25th 2020)
Central Idea	Our voice is an important form of expression to communicate different ideas, emotions and feelings.	Plants are a life-sustaining resource that people try to preserve.	People created systems to manage and reduce harmful waste	People migrate to seek opportunities and overcome challenges	People use their understanding of simple laws of nature to create machines.	Choices of heroes and role models reflects people's values
Genre	Narrative (Units 4) & Poetry (Unit 6)	Informative (Units 2 & 5)	Persuasive (Unit 8)	Narrative (Units 1)	Informative	Narrative & Biography (Units 7)

Language Arts

Spelling Strategies
* Sound the words out
* **Chunking words**: in vowels, blends, digraphs (ex. crash "cr, a, sh")
* **Analogies**: words that have similar patterns (would, could, night, light)
* Compound words

How we express ourselves — First Unit: Voice

Listening and Speaking
* Confident talking in discussions
* Poetry performance

Writing Workshop
Form: Sensory Poem
Sensory poem uses your senses to study or investigate a topic. The focus is on using Similes. Similes are comparisons between 2 unlike things using the words like or as
Line 1: Tell what color an idea or an emotion look like to you
Line 2: Tell what the emotion or the idea tastes like (imagine it has a taste)
Line 3: Tell what the emotion or idea sound like
Line 4: Tell what the emotion or idea smells like
Line 5: Tell what the emotion or idea looks like
Line 6: Tell how the emotion or idea makes you feel
Form: Fantasy Story
1- List some fantasy features you are going to include
2- List the 3 main characters and write some information about them
3- Write some of the actual words your characters are going to say
4- Decide how many paragraphs you are going to write, then write one sentence to sum up what is going to happen in each paragraph

Figurative Language:
* Rhyme and alliteration
* Similes and metaphors

Reading Comprehension
Story Structure: Features of a fantasy story:
* Real character placed in a fantasy world
* Strange plants and animals and fantastical beasts
* Some characters are invented and have made up names. There are often dragons, elves, princess or an older, wiser character
* Battle between good and evil. Or danger and the hero or heroine helps save the day
* Hidden doors, rings or secret messages

Conventions
Grammar
* **Punctuation**
Review: Capitalization, full stops, exclamations, question marks
New: Apostrophes – contractions and possessions
* **Parts of Speech: Review**:
  * Nouns, verbs and adverbs
  * Verb tenses (present and past)
  * Noun / pronoun agreement
  * Subject / verb agreement
  * Connectives
* **Sentences:** Main and subordinate clause

Word Study (Spelling and Vocabulary)
* Long vowels

Sharing the planet — Second Unit: Deforestation

Listening and Speaking
Expressing opinions
Language choices

Writing Workshop
Form: Newspaper Style Report
* Choose a topic / real life event to write about
* Eye catching headline
* Summary of the story in the 1st paragraph
* Quotations from at least 2 people
* Last paragraph is about what happens afterwards

Form: Science Report
Write a research report that includes the following features:
* **Subheadings** in form of questions
* **Explanations** of new words
* **Paragraphs** begin with a topic sentence
* Use of the **present tense**
* Use of **connectives** to link between ideas

Figurative Language:
* Similes and metaphors

Reading Comprehension
* **Summarize**: using key details
* Identify Explicit Information in Non-Fiction Text
* *Features of a Non Chronological Report*
* Not written chronologically, but in different **topic** areas
* **Subheadings** are questions, with paragraphs giving the answer
* Paragraphs start with a topic sentence
* Use connectives and the present tense
* *Features of a Newspaper Report*
* Catchy headline
* Presented in paragraphs
* First paragraph sums up the story
* May include fact and opinion
* Quotations from people

Conventions
Grammar
Punctuation:
* Commas, full stops, exclamations, question marks
* Apostrophes – plurals and possessions
Parts of Speech:
Adjectives – comparative and superlative
Adjectives – Intensity

Word Study (Spelling and Vocabulary)
* Prefixes and suffixes
* Adverbs with suffix – ly

How we organize ourselves — Third Unit: Waste Management

Listening and Speaking
Organization of ideas
Expressing opinions
Language choices

Writing Workshop
Form: Persuasive Poster
* Design a poster to persuade people to reuse, reduce and recycle
* Use persuasive language to address an issue
* Illustrate your slogan
Form: Explanatory Text:
* Decide on the topic
* Research the process you will describe, write down some key facts
* If you will use paragraphs instead of a flow chart; write a subheading for each paragraph

Reading Comprehension
Draw Conclusions: Use clues from the text and what they know to tell about the text.
* **Summarize**: using key details
* *Features of an Explanatory Text:*
* Opening statement that tells what is going to be explained
* May be presented in
  * Paragraphs, with each stage explained in a paragraph
  * Flowchart, with each stage explained in a separate box
* Explain difficult words
* Use connectives
* Include a diagram
* Conclusion

Conventions
Grammar
Parts of Speech: Connectives

Word Study (Spelling and Vocabulary)
* Words with common roots
* kn/wr words
* gh/ph words

Where we are in place and time — Fourth Unit: Migration

Listening and Speaking
* Presenting ideas
* Determine the main ideas and supporting details of a text read aloud or information presented orally

Writing Workshop
Form: Historical Story:
* First 2 paragraphs; introduce the characters and the setting
  * **Character**: what they look like, what they say, how they move and speak
  * **Setting**: give clues about where and when its taking place
* Write a **problem** to build excitement
* Find a **solution**
* **Conclusion**: bring the story to an end
* Give clues about historical characters and settings

Reading Comprehension
* **Describe Plot**: Describe characters in a story (e.g., their traits, motivations, or feelings) and explain how their actions contribute to the sequence of events
* **Compare and Contrast**:
  * The themes, settings, and plots of stories written by the same author
  * The most important points and key details presented in two texts on the same topic

Conventions
Grammar
Punctuation:
* Direct speech
Parts of Speech:
* Verbs and tenses
* Irregular verbs
* Powerful verbs

Word Study (Spelling and Vocabulary)
* Words with suffix – ed/-ing

How the world works — Fifth Unit: Simple Machines

Listening and Speaking
* **Report** on a topic with appropriate facts and relevant details, speaking clearly at an understandable pace.
* Ask questions to understand spoken text

Writing Workshop
Form: Non Chronological Report
* Decide on the subheadings
* Write a topic sentence for each paragraph
* Research the questions, write down some key facts
* Explain difficult words
* Use diagrams or labelled drawings
* Write in the present tense

Reading Comprehension
* Develop note-taking to extract key points and to group and link ideas
* **Explicit Info in Non-Fiction Text**
* **Summarize:** using key details
* **Cause and Effect**: Identify cause and effect in literature and informational text

Conventions
Grammar
Sentences: Compound and complex sentences

Word Study (Spelling and Vocabulary)
* Suffix – tion/-sion
* Y to i change words

Who we are — Sixth Unit: Role Models

Listening and Speaking
* Determine the main ideas and supporting details of a text read aloud or information presented orally
* Confident talking in discussions

Writing Workshop
Form: Short Story
Paragraphs: use a new paragraph when there is a change of place, time or speaker
Characters: characters' personality.
Dialogue: between story characters
Setting: details (looks, feels, sounds like)
Form: Biography
* Draw a timeline, with dates when possible
* Add details
* Use the past tense
* *Focus on one event*; describe it using longer sentences with interesting adjectives

Reading Comprehension
* Develop note-taking to extract key points and to group and link ideas
* **Identify Main Idea and Details**: Retell stories, including key details.
* **Describe Plot**: Describe characters in a story (e.g., their traits, motivations, or feelings) and explain how their actions contribute to the sequence of events

Conventions
Grammar
Sentences:
* Statement
* Question
* Exclamation
* Command

Word Study (Spelling and Vocabulary)
* Homophones

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Math	**Numbers:** • Place value to 10000 • Place value to 100000 • Written and expanded form • Comparing numbers • Rounding to the nearest umber **Pattern and Function:** • Odd and Even	**Numbers:** • Addition mental strategies • Addition written strategies • Subtraction mental strategies • Subtraction written strategies • Multiplication and division facts and mental strategies	**Numbers:** • Multiplication written strategies • Division written strategies **Data Handling** • **Collecting data** (surveys, tally marking, bar graphs) • **Displaying Data** (representing data using: pictographs, bar graphs) • **Interpreting Data** (pictographs and bar graphs)	**Pattern and Function:** • Number patterns • Problem solving **Location and Transformation** • Scales and Maps **Measurement** • Time • Timelines	**Numbers / Fractions:** • Fractions (Numerator and denominator, ordering fractions on the number line) • Equivalent fractions • Improper fractions and mixed numbers (reading, writing and ordering) **Measurement** * Length & perimeter • Converting mm to cm to m • Find the perimeters of shapes in cm * Area • Square cm and square m • Measuring the area of different shapes in cm2 Volume and Capacity: • Volume in cubic centimeters • Capacity in ml or L Mass: • Kg and g Temperature: • Celsius	**Shapes and Space** • Describing 2D and 3D shapes • Splitting and combining shapes to create new ones • Drawing 3D shapes • Angles (right, straight, acute, obtuse, reflect, revolution) • Making symmetrical patterns by reflecting, translating and rotating **Data Handling** • Chance events • Chance experiments
ART	**Drawing** * Express his/her imaginative life and interpret imaginative themes using inventive pattern and detail **Painting** * Make paintings based on recalled feelings and experiences, exploring the spatial effects of color and tone, using overlapping, and with some consideration of scale * Express his/her imaginative life and interpret imaginative themes using color expressively * Explore the relationship between how things feel and how they look **1- Abstract Drawing, Driven to Abstraction** 2- Illustrate their stories and poems abstractly	**Drawing** * Make drawings from recalled experiences, emphasizing pattern, detail, context and location **Painting** * Discover harmony and contrast in natural and manufactured objects and through themes chosen for their color possibilities * Paint from observation 1- Awareness posters 2- Draw a before and after pictures of forests https://www.crayola.com/lesson-plans/erase-it-deforestation-lesson-plan/	**Construction** Explore and experiment with the properties and characteristics of materials in making structures **Recycled Bottle Art** **Recycled Robots**	**Drawing** * Experiment with the marks, lines, shapes, textures, patterns and tones that can be made with different drawing instruments on a range of surfaces **Painting** * Explore the relationship between how things feel and how they look **Monochromatic Memories**	**Construction** Make imaginative structures Use different materials to construct simple machines that has a function	**Drawing** * Draw from observation **Painting** * Paint from observation 1- Portrait of their role model 2- Cartoon drawing (comic strips) https://artprojectsforkids.org/category/view-by-media/drawing/cartoon-drawing/

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Science	**Materials and Matter – Sound** - Identify examples of vibration. - Recognize that sound is the result of vibration; and demonstrate that the larger the vibration, the louder the sound. - Recognize that pitch is the result of differences in the rate of vibration. - Demonstrate a variety of ways of producing sounds; e.g., by striking an empty glass, by blowing air into a bottle, etc. - Identify examples that show that sound can travel through a variety of materials, including solids, liquids and air, and that sound travels in all directions.	**Living Things – Deforestation** - Identify and describe the general purpose of plant roots, stems, leaves and flowers. - Recognize that plant requirements for growth vary from plant to plant and that other conditions - Recognize that plants of the same kind have a common life cycle - Describe different ways that seeds are distributed; e.g., by wind, by animals. - Describe the importance of plants to humans and their importance to the natural environment.	**Earth and Space - Waste Management** - Identify plant and animal wastes, and describe how they are recycled in nature - Identify and classify wastes that result from human activity. - Distinguish between wastes that are biodegradable and those that are not. - Identify kinds of wastes that may be toxic to people and to the environment.	NA	**Forces and Energy - Simple Machines** - Define force and motion and identify the six simple machines - Investigate the effects of balanced and unbalanced forces on the motion of an object. - Analyze why and how use simple machines in our daily life - Transfer the acquired knowledge and skills by creating a simple machine that serves a purpose	NA
Social Studies	NA	**Deforestation** - Investigate laws that regulate the commercial use of forests - Recommend ways to take personal action to protect the forests	**Waste Management** - Identify methods of waste disposal currently used within the local community. - Identify ways in which materials can be reused or recycled	**Migration** - Identify reasons why people migrate - Analyze ways that people adapt when they move from one place to another - Identify the long-term and short-term effects of migration - Assess settlement patterns and population distribution in selected regions, areas or countries - Compare and contrast two or more different human migrations.	NA	**Role Models** - Identify what makes a role model and a hero. - Analyze the characteristics of a role model and hero. - Examine the influence of role models and heroes on one's personal beliefs and society