

# DOINGWHATWORKS



SAMPLE MATERIAL

## Curriculum Map

Young Scholars' Academy for Discovery and Exploration, New York

**Topic:** Turning Around Chronically Low-Performing Schools

**Practice:** Focus on Instruction

Curriculum maps provide a comprehensive path teachers can follow when coordinating lessons across core subject areas. At Young Scholars' Academy for Discovery and Exploration, K-5 teachers and administrators use these maps to help identify connections across subject areas and create aligned lesson plans that highlight these connections for students, encouraging them to build deeper understanding.



## CURRICULUM MAP- GRADE K

GRADE K	READING	WRITING	MATH	SCIENCE	SOCIAL STUDIES
SEPTEMBER	We are readers exploring the exciting world of books and poems: Let the Reading Adventures Begin!	Launching the Writing Workshop	Measurement, Patterns, Counting (one-to-one correspondence), concept of zero, and attributes	Trees through the seasons	School and School Community
OCTOBER	Readers read, think, and talk about emergent storybooks and invent fun things to do with them	Telling and Writing Stories	Shapes, Patterns, Writing Numbers, Oral Counting, Coin Recognition, and Estimation	Trees through the seasons	School and School Community
NOVEMBER	Readers use all their powers to read everything they can	Looking Closely: Observing, Labeling and Listing Like Scientists	Addition and Subtraction Number Stories, Symmetry, Number Books, Patterns and Measurement	Trees through the seasons	Self and Others
DECEMBER	Readers use all they know to read songs, poems, and other texts	Small Moments	Numbers, Data and Chance, Measurement, Adding and Subtracting, Data Analysis, Comparisons and Shapes	Exploring Properties	Self and Others
JANUARY	Readers have lots of strategies to figure out words and they're eager to take on new challenges	Writing for Readers	Addition and Subtraction Symbols, Patterns, Numbers and Number Stories, Graphing and Probability, Shapes, Attributes and Sorting, Equivalence	Exploring Properties	Families
FEBRUARY	Readers are story detectives who use the patterns in their books to figure out their stories	How-To Books	Measurement-Standard and Nonstandard Feet; Counting with Calculators; Number Sequence and Patterns; Create and Interpret Bar Graphs	Exploring Properties	Families
MARCH	Readers are brave and resourceful when they encounter hard words and tricky parts of their books	All-About Writing	Shapes, Time and Money, Surveys and Graphs, Comparison Number Stories, Patterns, Concept of "half"	Animals	Families
APRIL	Readers get to know the characters in their books and talk about them with others (Character Clubs)	Poetry and Songs	Measuring Time, Patterns, Skip Counting, Division of Objects into Halves, Data Collection, Number Story Book	Animals	The Neighborhood
MAY	Readers learn information about the world through their books in theme-based reading clubs	All-About Books in Science: Plants & Trees or Animals	Place Value and Number Patterns, Equivalence, Addition and Subtraction Symbols, Time and Money	Animals	The Neighborhood
JUNE	Readers make plans and invent projects for summer reading	Revision and Assessment	Money and Value Exchanges, Equivalence and Number Patterns, Number Stories on a Calculator, What's My Rule, Time and Money	Animals	The Neighborhood



## CURRICULUM MAP- GRADE 1

GRADE 1	READING	WRITING	MATH	SCIENCE	SOCIAL STUDIES
SEPTEMBER	Readers build good habits: They use strategies before, during, and after they read	Launching with small moments	Establishing Routines	Animal Diversity	Families are important
OCTOBER	Tackling Trouble: When readers come to hard words and tricky parts of books, we try harder and harder	Writing for Readers	Everyday Uses of Numbers; Visual Patterns and Number Patterns	Animal Diversity	Families are important
NOVEMBER	Meeting the characters in books and studying what they do	Authors as Mentors	Counting and Measurement	Animal Diversity	Families, Now and Long Ago
DECEMBER	Readers work hard to understand that they are reading by using all they know to figure out words and clear up confusing parts	Realistic Fiction	Measurement and Basic Facts	Properties of Matter	Families, Now and Long Ago
JANUARY	Readers study characters to talk well about and perform their stories	How-to Books	Place Value, Number Stories and Basic Facts; Developing Fact Power	Properties of Matter	Families in Communities
FEBRUARY	Nonfiction Reading: Reading to become experts and to share passions!	All-About Books	Developing Fact Power	Properties of Matter	Families in Communities
MARCH	Readers are brave and resourceful when they encounter hard words and tricky parts of their books	Persuasive Letters	Geometry and Attributes; Mental Arithmetic; Money and Fractions	Weather and Seasons	Families in Communities
APRIL	Readers get to know the characters in their books and talk about them with others (Character Clubs)	Poetry: Powerful thoughts in Tiny Packages	Place Value and Fractions	Weather and Seasons	The Community
MAY	Readers can read about science topics to become experts	Expert Projects in a Content Area (Writing to learn and to teach about Science): Animal Diversity or Weather and the seasons	Fractions; Year End Review and Assessment (Data, Telling Time, Geometry, Thermometers and Temperature, Place Value and Number Grids)	Weather and Seasons	The Community
JUNE	Find your niche as a reader : Readers find a series of books to read for a stretch of time (Series Book Clubs), plan their own reading projects, and make plans for their summer reading	Revision and Assessment	Fractions; Year End Review and Assessment (Data, Telling Time, Geometry, Thermometers and Temperature, Place Value and Number Grids)	Weather and Seasons	The Community



## CURRICULUM MAP- GRADE 2

GRADE 2	READING	WRITING	MATH	SCIENCE	SOCIAL STUDIES
SEPTEMBER	More Grown up readers take charge of our own reading: We make good decisions without always needing a teacher to tell us what to do	Launching with small moments	Numbers and Routines	Earth Materials	Our Community's Geography
OCTOBER	Tackling Trouble: When readers come to hard words and tricky parts of books, we try harder and harder	Authors as Mentors (and Writing for Readers)	Addition and Subtraction Facts: Place Value; Money and Time	Earth Materials	New York City Over Time
NOVEMBER	Readers think and talk about the characters in their books: Characters go on journeys	Writing and Revising Realistic Fiction	Money, Addition and Subtraction	Earth Materials	New York City Over Time
DECEMBER	When readers hold onto meaning like a lifeline, we can tackle tough parts of texts	Writing Adaptations of Familiar Fairy Tales, and Perhaps Writing Original Fantasy Stories as Well	Addition: 2-D and 3-D shapes	Forces and Motion	New York City Over Time
JANUARY	Readers practically become the characters as we read: There's a thin line between reading and role-laying	Expert Projects: Writing to learn and to teach about a topic of personal expertise	Whole Number Operations and Number Stories; Patterns and Rules	Forces and Motion	Urban, Suburban, and Rural Communities
FEBRUARY	Nonfiction Reading: Reading to become experts and to share passions!	Persuasive Writing: Reviews	Patterns and Rules; Fractions	Forces and Motion	Urban, Suburban, and Rural Communities
MARCH	Readers become experts about series they love: Series Reading Clubs	Expert Projects in a Content Area: Writing to learn and to teach about science	Measurement and Decimals	Plant Diversity	Urban, Suburban, and Rural Communities
APRIL	Readers deepen their understanding of books by talking about characters' relationships and problems	Poetry	Place Value and Whole-Number Operations	Plant Diversity	Rights, Rules, and Responsibilities
MAY	Reading about science and living like scientists!	Expert Projects in a Content Area: Writing to learn and to teach about science	Whole-Number Operations; Year End Reviews (Calendar, Clock Skills, Multiplication Facts, Division from Multiplication, and Graphs	Plant Diversity	Rights, Rules, and Responsibilities
JUNE	Find your niche as a reader: Return to old favorites, create your own reading centers, and make plans for your reading life	Revision and Assessment	Whole-Number Operations; Year End Reviews (Calendar, Clock Skills, Multiplication Facts, Division from Multiplication, and Graphs	Plant Diversity	Rights, Rules, and Responsibilities



## CURRICULUM MAP- GRADE 3

GRADE 3	READING	WRITING	MATH	SCIENCE	SOCIAL STUDIES
SEPTEMBER	Authoring an Independent Reading Life, and Becoming Lost in Stories	Launching a productive writing workshop	Routines, Review and Assessment	Matter	Introduction to World Geography and World Communities
OCTOBER	Reading with Minds on Fire: Readers Infer and Grow Ideas About Characters	Raising the Quality of Narrative Writing	Adding and Subtracting Whole Numbers; Linear Measures	Matter	Introduction to World Geography and World Communities
NOVEMBER	Nonfiction Reading and Independence in Reading Fiction	Writing Information Books with Authority and Voice	Area; Multiplication and Division	Energy	Case Study of Africa
DECEMBER	Nonfiction Reading and Independence in Reading Fiction	Persuasive Letters and Essays	Place Value in Whole Numbers and Decimals	Energy	Case Study of Africa
JANUARY	POETRY	POETRY	Geometry	Energy	Case Study of Africa
FEBRUARY	2-week book clubs: Biographies and Series Books	Writing biographies and realistic fiction	Multiplication and Division	Simple Machines	Case Study of China
MARCH	2-week book clubs: Realistic Fiction/ Close Reading of short texts: Getting ready to demonstrate reading skills on the ELA exam	Realistic Fiction/ Short and Extended Responses; Listening and Note-taking; Editing; Graphic organizers	Fractions; Multiplication and Division	Simple Machines	Case Study of China
APRIL	Close reading of short texts: Getting ready to demonstrate reading skills on the ELA exam	Short and Extended Responses; Listening and Note-taking; Editing; Graphic organizers	Multiplication and Division; Measurement	Plant and Animal Adaptations	Case Study of China
MAY	Social Issues Book Clubs	Memoirs	Data and Probability; Year-Long Projects (Length of Day project, National High/Low Temperatures, Spinner Experiments, Designing Spinners, Using Data to Predict Outcomes)	Plant and Animal Adaptations	Case Study of Mexico
JUNE	Reading Projects: Building a Reading Life	Writing Projects: Fantasy, Comic books, play-writing etc...	Data and Probability; Year-Long Projects (Length of Day project, National High/Low Temperatures, Spinner Experiments, Designing Spinners, Using Data to Predict Outcomes)	Plant and Animal Adaptations	Case Study of Mexico



## CURRICULUM MAP- GRADE 4

GRADE 4	READING	WRITING	MATH	SCIENCE	SOCIAL STUDIES
SEPTEMBER	Authoring an Independent Reading Life, and Becoming Lost in Stories	Launching a productive writing workshop/Personal Narratives	Geometry	Animals and Plants in their Environment	Map and Globe Skills
OCTOBER	Mysteries	Mystery Writing	Using Numbers and Organizing Data; Multiplication and Division; Number Sentences and Algebra	Animals and Plants in their Environment	Native Americans
NOVEMBER	Reading with Minds on Fire: Readers Infer and Grow Ideas About Characters	Personal Narratives	Decimals and their Uses	Electricity and Magnetism	Three Worlds Meet
DECEMBER	Nonfiction Reading and Independence in Reading Fiction	Personal Essays	Big Numbers, Estimation and Computation	Electricity and Magnetism	Colonial and Revolutionary Periods
JANUARY	POETRY	POETRY	Division; Map Reference Frames; Measures of Angles, Fractions and their uses; Chance and Probability	Electricity and Magnetism	Colonial and Revolutionary Periods
FEBRUARY	2-week book clubs: Realistic Fiction and Series Books	Writing realistic fiction	Fractions and Their Uses; Chance and Probability; Perimeter and Area	Properties of Water	The New Nation
MARCH	2-week book clubs: Biographies/ Close Reading of short texts: Getting ready to demonstrate reading skills on the ELA exam	Writing Biographies/ Short and Extended Responses; Listening and Note-taking; Editing; Graphic organizers	Area, Fractions, Decimals and Percents	Properties of Water	The New Nation/Growth and Expansion
APRIL	Close reading of short texts: Getting ready to demonstrate reading skills on the ELA exam	Short and Extended Responses; Listening and Note-taking; Editing; Graphic organizers	Reflections and Symmetry; 3-D Shapes, Weight, Volume and Capacity2w	Interactions of Air, Water, and Land	Growth and Expansion
MAY	Social Issues Book Clubs	Memoirs	Capacity and Weight; Rates	Interactions of Air, Water, and Land	Local and State Government
JUNE	Reading Projects: Building a Reading Life	Writing Projects: Fantasy, Comic books, play-writing etc...	Capacity and Weight; Rates	Interactions of Air, Water, and Land	Local and State Government



## CURRICULUM MAP- GRADE 5

GRADE 5	READING	WRITING	MATH	SCIENCE	SOCIAL STUDIES
SEPTEMBER	Authoring an Independent Reading Life, and Becoming Lost in Stories	Launching a productive writing workshop/Personal Narratives	Number Theory	The Nature of Science	Map and Globe Skills
OCTOBER	Content Area Reading: Social Studies	Responding to DBQ's and Writing Essays	Estimation and Computation; Geometry; Explorations and the American Tour	The Nature of Science	Getting Ready for the NYS S.S. Exam
NOVEMBER	Content Area Reading: Social Studies/ Reading with Minds on Fire: Readers Infer and Grow Ideas about Characters	Responding to DBQ's and Writing Essays/ Realistic Fiction	Geometry Explorations and Division	Earth Science	Getting Ready for the NYS S.S. Exam
DECEMBER	Reading With Minds on Fire: Readers Infer and Grow Ideas About Characters	Realistic Fiction	Fractions, Decimals and Percents	Earth Science	Latin America
JANUARY	POETRY	POETRY	Using Data; Addition and Subtraction of Fractions; Exponents and Negative Numbers	Earth Science	Latin America
FEBRUARY	Nonfiction Reading and Independence in Reading Fiction	Personal Essays	Negative Numbers and Fractions	Food and Nutrition	Latin America
MARCH	Close Reading of short texts: Getting ready to demonstrate reading skills on the ELA exam	Short and Extended Responses; Listening and Note-taking; Editing; Graphic organizers	Fractions and Ratio; Coordinates, Area, Volume and Capacity	Food and Nutrition	Our neighbor to the north: Canada
APRIL	Close reading of short texts: Getting ready to demonstrate reading skills on the ELA exam	Short and Extended Responses; Listening and Note-taking; Editing; Graphic organizers	Volume and Capacity; Using Data; Algebra Concepts and Skills	Food and Nutrition	Our neighbor to the north: Canada
MAY	Social Issues Book Clubs	Journalism	Volume; Probability, Ratios and Rates	Exploring Ecosystems	Out neighbor to the north: Canada
JUNE	Reading Projects: Building a Reading Life	Writing Projects: Fantasy, Comic books, play-writing etc...	Volume; Probability, Ratios and Rates	Exploring Ecosystems	Our neighbor to the north: Canada