

GRADE	HUMANITIES AND WORLD COURSE	LANGUAGE/LITERACY	MATH	SCIENCE	THE ARTS	LIFE SKILLS AND PHYSICAL EDUCATION
1	<p>What are my roles and responsibilities in the community?</p> <ul style="list-style-type: none"> • Friendship and our school community • Communities, Chelsea internships • Parks 	<p>ENGLISH/TARGET LANGUAGE LITERACY</p> <ul style="list-style-type: none"> • Speaking activities • Listening comprehension games • Word study • Decoding strategies • Comprehension strategies • Readers' theater • Character study • Poetry • Personal narrative • Persuasive writing • Informational writing • Handwriting • Character recognition (Chinese) • Radicals (Chinese) 	<p>INQUIRY AND PROBLEM-BASED MATH</p> <ul style="list-style-type: none"> • Math mindset building • Identifying and writing two-digit numbers • Telling time to the hour and half hour • Collecting and using data to create tables and graphs • Solving two-digit addition and subtraction problems without regrouping • Measuring using non-standard and standard units of measurement • Identifying attributes of 2D and 3D shapes 	<ul style="list-style-type: none"> • What is a scientist? • Animal classification • Birds • Food webs and food chains • Seasons and weather • Properties of water • Tools and fasteners 	<p>VISUAL ARTS</p> <ul style="list-style-type: none"> • How making art transforms materials • Differences in media • Painting, drawing, collage, ceramics, construction <p>MUSIC</p> <ul style="list-style-type: none"> • Music through movement • Singing, percussion 	<ul style="list-style-type: none"> • Increase self-awareness • Building a safe community for all • Understanding differences • Learning to resolve conflict • Taking responsibility for personal belongings • Taking responsibility for the classroom environment • Working collaboratively • Participating in service learning • Physical education 2x a week at Chelsea Piers
2	<p>How do humans and living things meet their needs in different habitats and environments?</p> <ul style="list-style-type: none"> • Biomes • Water • Shelter 	<p>ENGLISH/TARGET LANGUAGE LITERACY</p> <ul style="list-style-type: none"> • Speaking activities • Listening comprehension games • Word study • Decoding strategies • Comprehension strategies • Poetry • Fairy tales • Character study • Research • Informational writing • Personal narrative • Persuasive writing 	<p>INQUIRY AND PROBLEM-BASED MATH</p> <ul style="list-style-type: none"> • Problem solving • Math mindset building • Reading and writing six-digit numbers in standard and expanded forms • Adding/subtracting multi-digit numbers with regrouping • Mental math strategies • Rounding • Fact fluency • Data and analysis • Identifying fractions • Bar modeling • Geometry • Measurement • Telling time 	<ul style="list-style-type: none"> • What is a scientist? • Fish • Hudson River: Watershed • The human body: skeletal system • Plant life cycle 	<p>VISUAL ARTS</p> <ul style="list-style-type: none"> • Imagining the world around us • How do artists work as designers/inventors? • How do artists use imagined experience? • Radial symmetry • Collaborative design • Painting, drawing, collage, ceramics, construction, printmaking <p>MUSIC</p> <ul style="list-style-type: none"> • Dalcroze Eurhythmics • Kodály hand signs in singing solfège • Notation, singing, improvisation, percussion • Recorders, xylophones, glockenspiels 	<ul style="list-style-type: none"> • Learning to compromise/resolve conflicts • Working cooperatively in large/small groups • Organizing/planning projects • Presenting reports/projects • Being a good community member • Learning to manage time • Physical education 3x a week at Chelsea Piers

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3	<p>How does the relationship between the physical world and people make communities different and the same?</p> <p>How do humans survive and adapt in their environments?</p> <ul style="list-style-type: none"> • Cartography • Geography • Early peoples • Inventions 	<p>ENGLISH/TARGET LANGUAGE LITERACY</p> <ul style="list-style-type: none"> • Speaking activities • Listening comprehension games • Word study • Decoding strategies • Comprehension strategies • Fiction and nonfiction • Textual evidence • Research • Persuasive writing • Biographies: reading • Personal narrative • Poetry • Readers' theater • Typing 	<p>INQUIRY AND PROBLEM-BASED MATH</p> <ul style="list-style-type: none"> • Problem solving • Reading and writing six-digit numbers in standard and expanded forms • Adding/subtracting five-digit numbers • Rounding • Multiplication concepts • Arrays • Multiplication fact fluency • Long division • Data and analysis • Identifying and comparing fractions • Bar modeling • Geometry • Measurement 	<ul style="list-style-type: none"> • Animal adaptations and migration • Geology • Natural disasters • Electricity/magnets • Simple machines • Inventions 	<p>VISUAL ARTS</p> <ul style="list-style-type: none"> • Imagining the world around us • How do artists work as designers/inventors? • How do artists use imagined experience? • Painting, drawing, collage, ceramics, construction, printmaking <p>MUSIC</p> <ul style="list-style-type: none"> • Notation, singing, improvisation, percussion • Recorders, xylophones, glockenspiels 	<ul style="list-style-type: none"> • Learning to compromise/resolve conflicts • Working cooperatively in large/small groups • Organizing/planning projects • Presenting reports/projects • Participating in service learning • Learning to manage time • Physical education 3x a week at Chelsea Piers • Digital citizenship
4	<p>What is a civilization?</p> <p>How are civilizations different and similar?</p> <ul style="list-style-type: none"> • Archaeology • Aspects of civilization • Ancient vs. modern civilization studies • Case studies: ancient China, ancient Egypt and ancient Maya, Incas and Aztecs 	<p>ENGLISH/TARGET LANGUAGE LITERACY</p> <ul style="list-style-type: none"> • Speaking activities • Word study • Comprehension strategies • Decoding strategies • Character study • Listening comprehension activities • Fiction and nonfiction • Realistic fiction • Historical fiction • Themes/social issues • Textual evidence • Research • Myths: writing and reading • Perspective writing • Playwriting • Informational writing • Typing • Literary essay • Persuasive writing/debates 	<p>INQUIRY AND PROBLEM-BASED MATH</p> <ul style="list-style-type: none"> • Reading and writing six-digit numbers in standard and expanded forms • Identifying and classifying properties of geometric shapes • Using statistical landmarks such as mean, median, range • Estimation strategies • Factors and multiples • Comparing and ordering decimals • Adding and subtracting decimals • Solving multi-digit multiplication and division problems • Problem-solving strategies • Bar modeling • Comparing, ordering, converting, adding, subtracting fractions • Perimeter and area 	<ul style="list-style-type: none"> • Owl pellet investigations • Analyzing animal skulls • Astronomy • Mission to Mars • Flight: kites, planes and rockets • Science of sound 	<p>VISUAL ARTS</p> <ul style="list-style-type: none"> • How do artists work abstractly/realistically? • How have artists changed the course of art? • Papermaking, painting, drawing; construction/collage/ceramics/printmaking <p>MUSIC</p> <ul style="list-style-type: none"> • Choral singing and performance • Instrumental introductory/rotation (Orff, percussion, brass, strings, woodwinds) 	<ul style="list-style-type: none"> • Learning to compromise/resolve conflict • Organizing and planning projects • Presenting reports/projects • Managing homework independently • Developing leadership skills • Public speaking • Digital citizenship • Participating in service learning • Physical education 3x a week at Chelsea Piers • Working cooperatively in large/small groups

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5	<ul style="list-style-type: none"> • What is a resource and how do resources influence society? • Myself as a resource • My community as a resource/community engagement • Natural resources and sustainability • Human resources (migration and immigration) • World Peace Games 	<p>ENGLISH/TARGET LANGUAGE LITERACY</p> <ul style="list-style-type: none"> • Speaking activities • Word study • Comprehension strategies • Decoding strategies • Character study • Speaking activities • Listening comprehension activities • Biographies: reading and writing • Creative writing • Persuasive writing • Nonfiction reading • Research skills • Interview skills • Journalism • Anecdotal writing • Public speaking • Research reports • Analytical writing 	<p>INQUIRY AND PROBLEM-BASED MATH</p> <ul style="list-style-type: none"> • Order of operations • Multiplying and dividing with larger numbers • Problem-solving strategies • Fraction manipulation • Decimal operations • Introduction to algebra • 3D shapes • Angles • Area, volume, surface area • Data and graphing • Multiplication and division of fractions and decimals 	<ul style="list-style-type: none"> • Measurement • Ecosystems • Earth resources • River ecology • Weather and water • Forensics 	<p>DRAMA</p> <p>VISUAL ARTS</p> <ul style="list-style-type: none"> • Portraiture • Art in the Chelsea neighborhood • Geometry in art • Community-engaged art <p>MUSIC</p> <ul style="list-style-type: none"> • Instrumental music: ensemble and sectional work; basics of musical literacy • Vocal music: ensemble singing 	<ul style="list-style-type: none"> • Physical education 3x a week at Chelsea Piers • Physical fitness • Teamwork and sportsmanship • Athletic movement • Various sports • Personal health and wellbeing • Effective communication • Organizational skills • Digital citizenship