### Lower Division Curriculum: Grades 1–2

<table>
<thead>
<tr>
<th>GRADE</th>
<th>HUMANITIES AND WORLD COURSE</th>
<th>LANGUAGE/LITERACY</th>
<th>MATH</th>
<th>SCIENCE</th>
<th>THE ARTS</th>
<th>LIFE SKILLS AND PHYSICAL EDUCATION</th>
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</table>
| 1     | What are my roles and responsibilities in the community?  
• Friendship and our school community  
• Communities, Chelsea internships  
• Parks | ENGLISH/TARGET LANGUAGE LITERACY  
• 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) | INQUIRY AND PROBLEM-BASED MATH  
• 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 | • What is a scientist?  
• Animal classification  
• Birds  
• Food webs and food chains  
• Seasons and weather  
• Properties of water  
• Tools and fasteners | VISUAL ARTS  
• How making art transforms materials  
• Differences in media  
• Painting, drawing, collage, ceramics, construction | • 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  
• Participating in service learning  
• Physical education 2x a week at Chelsea Piers |
| 2     | How do humans and living things meet their needs in different habitats and environments?  
• Biomes  
• Water  
• Shelter | ENGLISH/TARGET LANGUAGE LITERACY  
• Speaking activities  
• Listening comprehension games  
• Word study  
• Decoding strategies  
• Comprehension strategies  
• Poetry  
• Fairy tales  
• Character study  
• Research  
• Informational writing  
• Personal narrative  
• Persuasive writing | INQUIRY AND PROBLEM-BASED MATH  
• 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 | • What is a scientist?  
• Fish  
• Hudson River: Watershed  
• The human body: skeletal system  
• Plant life cycle | VISUAL ARTS  
• 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 | • 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 |

**Avenues THE WORLD SCHOOL**
## Lower Division Curriculum: Grades 3–4

### 3

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| 3     | How does the relationship between the physical world and people make communities different and the same? | ENGLISH/TARGET LANGUAGE LITERACY  
  - 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 | INQUIRY AND PROBLEM-BASED MATH  
  - 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 | • Animal adaptations and migration  
  • Geology  
  • Natural disasters  
  • Electricity/magnets  
  • Inventions | VISUAL ARTS  
  - Imagining the world around us  
  - How do artists work as designers/inventors?  
  - How do artists use imagined experience?  
  • Painting, drawing, collage, ceramics, construction, printmaking | • 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 |
|       | How do humans survive and adapt in their environments?  
  - Cartography  
  - Geography  
  - Early peoples  
  - Inventions | | | | |

### 4

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| 4     | What is a civilization?  
  How are civilizations different and similar? | ENGLISH/TARGET LANGUAGE LITERACY  
  - 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 | INQUIRY AND PROBLEM-BASED MATH  
  - 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 | • Owl pellet investigations  
  • Analyzing animal skulls  
  • Astronomy  
  • Mission to Mars  
  • Flight: kites, planes and rockets  
  • Science of sound | VISUAL ARTS  
  - Notation, singing, improvisation, percussion  
  • Recorders, xylophones, glockenspiels | • 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 | |
|       |  
  - Archaeology  
  - Aspects of civilization  
  - Ancient vs. modern civilization studies  
  - Case studies: ancient China, ancient Egypt and ancient Maya, Incas and Aztecs | | | | |
## Lower Division Curriculum: Grade 5

### 2019–20

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| 5     | • 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  
      | **ENGLISH/TARGET LANGUAGE LITERACY**  
      | • 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  
      | **INQUIRY AND PROBLEM-BASED MATH**  
      | • 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  
      | **MEASUREMENT**  
      | **ECOSYSTEMS**  
      | **EARTH RESOURCES**  
      | **RIVER ECOLOGY**  
      | **WEATHER AND WATER**  
      | **FORENSICS**  
      | **DRAMA**  
      | **VISUAL ARTS**  
      | • Portraiture  
      | • Art in the Chelsea neighborhood  
      | • Geometry in art  
      | • Community-engaged art  
      | **MUSIC**  
      | • Instrumental music: ensemble and sectional work; basics of musical literacy  
      | • Vocal music: ensemble singing  
      | • 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  |