



ISS Course Syllabus

Teacher: Marika Dos Santos

Grade: 4

Course Title: Mathematics

Course Description: The math program will be divided into five strands of focus including; number sense and numeration, geometry, data management and probability, measurement and patterning and algebra.

Course Contents:

NUMBER SENSE AND NUMERATION:

- Place value
- Addition and subtraction
- Multiplication and division facts
- Multiplying and dividing one and two digit numbers
- Integers
- Decimals
- Estimating

GEOMETRY

- Geometrical shapes
- Transformations
- Plane figures
- Spatial Sense

DATA MANAGEMENT AND PROBABILITY

- Collecting data
- Organizing data
- Using and interpreting data

MEASUREMENT:

- Fractions
- Adding and subtracting fractions
- Measurement
- Time

PATTERNING AND ALGEBRA

- Properties and rules
- Multiplication tables
- Multiplying and Dividing Rules
- Multiplication Patterns
- Ordered Pairs

Algebraic Equations

Resources: Heath Mathematics Connections textbook, Daily Cumulative Review, and various math manipulatives.

Evaluation System: Students will be regularly assessed throughout the year, both summative and formative. This will include but are not limited homework, self-evaluation, rubrics, quizzes, exams, teacher observations, and participation.

Course Title: English/ Language Arts

Course Description: The English/Language Arts program will be divided into reading, writing and oral and visual.

Course Contents:

READING

- Teacher-directed novel studies; eg The BFG by Roald Dahl, Charlotte’s Web
- Self-directed novel studies
- Daily Read and Respond Journals
- Read-A-Loud
- Reading Buddies
- D.E.A.R. = Drop Everything and Read
- Weekly library periods

WRITING

- The Writing Process
- Daily Read and Respond Journals
- Journal Writing
- Paragraph Writing
- Report Writing
- Various writing techniques; fables, anecdotes and poetry

ORAL AND VISUAL

- Oral Reports
- Oral contributions in class
- Drama Presentations

Resources: Signatures Rare Finds textbook, various novels

Evaluation System: Students will be regularly assessed throughout the year, both summative and formative. This will include but are not limited homework, self-evaluation, rubrics, quizzes, exams, teacher observations, and participation.

Course Title: Science

Course Description: The Science program will include Life Science, Physical Science, Earth Science and the Human Body.

Course Contents:

LIFE SCIENCE

- Plant Structure and Function
- Animal Structure and Function
- Energy in Ecosystems
- Surviving in the Environment

PHYSICAL SCIENCE

- Measuring Matter
- Force and Motion
- Electricity and Magnetism
- Light and Sound

EARTH SCIENCE

<ul style="list-style-type: none"> • Measuring Weather • The Make-up of the Earth • Exploring the Oceans • Movements in the Solar System <p>HUMAN BODY</p> <ul style="list-style-type: none"> • The Digestive, Circulatory and Nervous systems • Keeping Your Body Systems Healthy
<p>Resources: Science by Scott Foreman textbook and various scientific manipulatives and experimental tools.</p>
<p>Evaluation System: Students will be regularly assessed throughout the year, both summative and formative. This will include but are not limited homework, self-evaluation, rubrics, quizzes, exams, teacher observations, and participation.</p>

Course Title: Social Studies

<p>Course Description: The Social Studies program will be divided into history and geography.</p>
<p>Course Contents: GEOGRAPHY/HISTORY</p> <ul style="list-style-type: none"> • Using Maps • American Revolution • American Reformers • The Spread of Islam • Europe in the Middle Ages, African Kingdoms, or Dynasties of China (students will vote)
<p>Resources: Pearson Learning Core Knowledge History and Geography textbook and various reference books eg atlases</p>
<p>Evaluation System: Students will be regularly assessed throughout the year, both summative and formative. This will include but are not limited homework, self-evaluation, rubrics, quizzes, exams, teacher observations, and participation.</p>