

Social Studies

- Sustainable Development Goals
- Scotland: Mapping, Citizenship & Identity, Responsibilities & Government; Connections & Conflict
- History: Jacobites, Victorians
- Current events/KNN
- International Week celebration of cultural diversity
- Study of focus country (Malawi): customs, traditions, language, government, economy, etc.

Modern Languages

In Modern Languages classes, students will:

- give and follow simple instructions in the target language;
- use and respond to verbal and non-verbal cues/body language;
- answer/ask simple questions in the target language;
- use more complex vocabulary to describe objects;
- understand basic ideas of oral messages and short conversations based on familiar topics;
- recite rhymes/sing songs in the target language;
- learn some expressive forms of the target culture;
- use vocabulary for age-appropriate topics/themes;
- understand main ideas of illustrated stories/texts/videos;
- understand common cognates in the target and native languages;
- learn that many words have been borrowed/adapted from other languages;
- become exposed to verb conjugations and grammatical concepts;
- know basic elements of the sound/writing systems of the target language and how they differ from one's native language;
- learn that the target language is spoken in diverse areas of the world;
- present personal and cultural ideas/info to an audience of listeners/readers;
- be exposed to the target culture.

Physical Education

Students will have instructional and physical activities in:

Team and problem solving activities, basketball, hockey, gymnastics, dance, badminton, swimming, kickball/teeball, athletics (track and field), tennis.

Art

- Recognize, identify, and show an understanding of the sensory elements and organizational principles of design, as well as the expressive qualities of the visual arts.
- Demonstrate and discover the basic use of materials, tools and techniques in order to understand how works of art are produced.
- Explore and discover individual/collective works of art.
- Understand that artists and works of art shape, reflect and play a role in societies, cultures, and civilizations, past and present.

Information Literacy Skills-Library & Technology

By the end of 5th grade, students will:

- Demonstrate creative thinking, construct knowledge, and develop innovative products and processes using a variety of media, including technology.
- Use media (including digital media) to communicate and work collaboratively.
- Apply tools (including digital tools) to gather, evaluate, and use information.
- Use critical thinking skills to plan and conduct research.
- Practice legal and ethical behaviour when using media (including technology).
- Demonstrate a sound understanding of technology concepts, systems, and operations.
- Explore the library and discover which genres and formats they enjoy reading.

Health and Citizenship

- Conflict resolution
- Playground, road/bus and fire safety
- Hand washing and oral health
- Healthy eating and exercise
- Bullying
- Friendship, farewells and transitions
- Growth mindset

Music

Students will have age-appropriate instructional/experiential activities in:

- Performing (voice/instruments), alone and with others, a varied repertoire of music;
- Improvising melodies, variations and accompaniments;
- Composing and arranging music within specified guidelines;
- Reading and notating music;
- Listening to, analysing, describing, and evaluating music and musical performances;
- Understanding relationships between music, the arts, and disciplines outside the arts;
- Understanding music in relation to history and culture.

Drama

Based on the three principal tools of an actor (**voice, body and imagination**), drama will offer students a range of theatre arts techniques, aimed at building self-confidence, encouraging effective team building and allowing the student to develop presentation skills through frequent practice in speaking and performing in front of a class.



**THE INTERNATIONAL
SCHOOL ABERDEEN**

Every Child. Every Opportunity.

Fourth Grade

2019—2020

Paul Bertolotto
pbertolotto@isa.aberdeen.sch.uk
Lulu Davies
ldavies@isa.aberdeen.sch.uk

Don Newbury, Principal
dnewbury@isa.aberdeen.sch.uk

www.isa.aberdeen.sch.uk

Fourth Grade

Language Arts

- Read a variety of fiction and non-fiction materials (e.g. novels, myths, biographies, short articles) for different purposes.
- Read aloud, speaking clearly and with expression.
- Read independently, using a variety of reading strategies.
- Use their knowledge of the organisation and characteristics of different forms of writing to understand and use content.
- Make inferences while reading.
- Begin to develop research skills (e.g., locate sources).
- State an interpretation of a written work, using evidence from the work and from one's own knowledge and experience.
- Decide on a specific purpose for reading, and select the material that they need from a variety of appropriate sources.
- Understand the vocabulary and language structures appropriate for this grade level.
- Use some conventions of written materials to help them understand what they read and to locate information (e.g., charts, illustrations, glossary, diagrams, captions).
- Communicate ideas and information for a variety of purposes and to specific audiences.
- Begin to write for more complex purposes (e.g., to present and discuss their opinions and viewpoints, to pose questions, to record information).
- Use appropriate prewriting strategies (e.g., drawings, story maps, graphic organizers) to generate and organize ideas with teacher assistance.
- Organize and develop ideas using paragraphs.
- Use a variety of sentence structures (e.g., simple and compound).
- Produce pieces of writing using a variety of specific forms.
- Use a variety of media to enhance writing.
- Revise their work, using teacher and peer feedback.
- Augment word choice with subject-specific vocabulary and by using resources such as a dictionary and thesaurus.
- Use proper punctuation (e.g., quotation marks, possessive apostrophes), capitalization, and grammar (e.g., correct verb tenses).
- Edit, publish and share their final drafts, focussing on grammar, punctuation, and spelling.
- Use phonics and knowledge of word structure and meaning to spell words correctly.
- Focus and present information on a single topic, using presentation techniques appropriate for the situation (e.g., eye contact, volume, rate, tone).
- Contribute relevant, appropriate information to discussions, while demonstrating respect for, and understanding of, other participants and their ideas.
- Follow oral instructions consistently.
- Ask questions to clarify meaning or enhance learning.

Mathematics

Number Sense and Numeration

- Represent and order numbers to 10 000.
- Represent money amounts to £100.
- Develop the concept of place value to tenths.
- Represent and compare fractions using fractional notation.
- Add and subtract three-digit numbers in a variety of ways.
- Multiply and divide 2-digit whole numbers by 1-digit whole numbers.
- Relate halves, fifths, and tenths to decimals.

Measurement

- Measure length using millimetres.
- Measure time intervals to the nearest minute.
- Determine elapsed time.
- Measure mass in grams and capacity in millilitres.
- Measure volume using concrete materials.
- Determine area and perimeter relationships for rectangles.
- Compare the mass and capacity of objects using standard units.
- Relate years to decades and decades to centuries.

Geometry and Spatial Sense

- Identify geometric properties of parallelograms.
- Classify two-dimensional shapes by geometric properties (number of sides, angles, and symmetry).
- Identify a straight angle, a right angle, and half a right angle.
- Classify prisms and pyramids by geometric properties.
- Construct three-dimensional figures in a variety of ways.
- Describe location using a grid system.
- Perform and describe reflections.

Patterning and Algebra

- Relate the term and the term number in a numeric sequence.
- Generate patterns that involve addition, subtraction, multiplication, and reflections.
- Determine the missing numbers in equations involving multiplication of 1- and 2-digit numbers.
- Use the commutative and distributive properties to compute.

Data Management and Probability

- Collect and organize discrete data.
- Read/display data using stem-&-leaf plots and double bar graphs.
- Understand median.
- Compare two related sets of data.
- Predict the frequency of an outcome.
- Investigate how the number of repetitions of a probability experiment affects the conclusion drawn.

Process Expectations

Problem solving; Reasoning and proving; Reflecting; Selecting tools and computational strategies; Connecting; Representing; Communicating.

Science

Energy & Electromagnetism

- Ask questions that can be answered about electricity and magnetism.
- Plan and conduct investigations about electromagnetism; record and organize data using appropriate tools for the task.
- Analyse observations; build reasonable explanations; discuss and justify the merits of explanations.
- Conduct an experiment to determine how the force of attraction between two magnets changes with the distance between the magnets.
- Conduct an experiment to determine how the number of winds in an electromagnet coil affects the strength of the magnetism.
- Design and build a model telegraph system.
- Use tools and techniques to make observations and build explanations about light.

Living Systems

- Analyse everyday systems and sub-systems.
- Analyse food chains and food webs as a way to study the biosphere.
- Make and analyse a worm habitat as a decomposition system.
- Investigate nutrient-getting systems of yeast, plants, and animals, including humans.
- Investigate and model transport systems in plants and animals.
- Investigate sensory systems in animals.

Sun, Moon and Planets

- Observe and compare shadows during a school day.
- Relate the position of the Sun in the sky to the size and orientation of an object's shadow.
- Use physical models to explain day and night.
- Record observations of the night sky.
- Observe and record changes in the Moon's appearance **every** day for a month.
- Analyse observational data to discover the sequence of changes that occur during the Moon's phase cycle.
- Make and interpret a model of the Earth, Moon & Sun system.
- Classify planets by their various properties.
- Record and display the organization of the solar system graphically.
- Identify several constellations as stable, predictable patterns of stars.