

Grade 5

Grade 5 students follow a 35 period week. Below is a breakdown of how many lessons per subject students study on a weekly basis:

Lessons Taught in English

This section describes the curriculum for Grade 5. Each of these lessons uses Houghton and Mifflin textbooks. AIS's curriculum is divided into the following subjects of the curriculum, which are taught in English:

English

English at Grade 5 follows six themes throughout the year. These themes are Give It All You've Got (focus on poetry), Nature's Fury (focus on tall tales), Expeditions (focus on voices of revolution), Person to Person (focus on plays), Expeditions (focus on animal encounters) and One Land Many Trails (focus on autobiography).

Assessment in English is ongoing throughout the year, and there is a test at the end of each theme.

Resources: *Houghton and Mifflin Reading*.

Math

Math in Grade 5 follows a series of themes. Students work through the following themes over the course of the year:

- Place value of whole numbers and decimals
- Addition and subtraction of whole numbers
- Multiplication of whole numbers
- Dividing 1 digit numbers
- Dividing 2 digit numbers
- Measurement/data graphing
- Addition, subtraction of fractions and decimals
- Multiplication and division of fractions and decimals
- Geometry and measurement
- Ratio, proportion, percentages and probability
- Algebra, integers and co-ordinate graphing

During each month students take a unit test.

Resources: *Houghton and Mifflin Math*.

Science

In Grade 5 Science is divided into three blocks; Life Science, Earth Science and Physical Science. Within these blocks there are six topics. These topics are:

- Life Processes
- Interaction Among Living Things
- Earth Systems
- Atmosphere and Solar System
- Kinds of Matter
- Forms of Energy

Each theme in the Science program is assessed at the end of the unit with a test.

Resource: *Houghton and Mifflin Science*.

Social Studies

At Grade 5 level the Social Studies program is based on a variety of topics aimed to develop student's awareness, understanding, knowledge and enquiry of the world. Topics studied are:

- America's Land
- The First Americans
- Age of Exploration
- European Settlements

Resource: *Houghton and Mifflin Social Studies*.

PE

In Grade 5 students work on their phases of movement, manipulative skills to both send and receive an object, and about the importance of safely using equipment and facilities to avoid putting self and others at risk.

Art

Throughout the Elementary School there is a program of skills taught, studied and practiced. Students participate in a range of art activities, which allow children the opportunity to experience different materials, tools, images, etc. The art activities in Grade 5 support much of the cross-curricular work undertaken throughout the year.

Home Economics

The overall objectives for the Home Economics program is for pupils to acquire basic and fundamental knowledge and skills necessary for everyday life through practical and hands-on activities related to food, clothing and housing, to foster a sense family life and to develop a positive attitude towards a better family life as a member of the family.

The objectives of the Home Economics curriculum for Grade 5 are:

- To enable pupils to become aware of their personal growth, to increase their interest in family life and to realize the importance through practical and hands-on activities related to food, clothing, housing and family life.
- To help pupils acquire basic and fundamental knowledge and skills necessary for everyday life, and to enable them to put these skills into practice in their everyday lives.
- To develop a positive attitude towards a better family life.

Lessons Taught in Japanese

In Grade 5 AIS students study the following subjects in Japanese, following the MEXT (Ministry of Education, Culture, Sports, Science and Technology) curriculum.

Japanese Language

The objectives for Japanese in Grade 5 are:

- For pupils to acquire the ability to speak accurately about their own ideas.
- To listen while understanding the intent of the speaker.
- To conduct discussions in a planned manner.
- To be able to write passages about their ideas while keeping in mind the whole structure of the writing.
- For students to acquire the ability to read passages while grasping the content and main points.

**Non-Japanese speaking students will take Japanese as a second language (JASL) lessons. In these lessons students can develop a basic understanding of Japanese.*

Science

The objectives for Science in Grade 5 are:

- To develop perspectives and ideas about the regularity of change in objects and substances, by investigating the changes of dissolution of substances, the motion of pendulums, and the change and function of electromagnets while focusing on the causes of their changes.
- To develop perspectives and ideas about the continuity of life, the function of running water, and the regularity of meteorological phenomena, by investigating the process of plant growth from germination to fruition, the birth and growth of animals, conditions of running water and weather changes while focusing on the factors such as condition, time, amount of water and natural disaster.

Social Studies

Grade 5 Social Studies follows a series of themes. The first looks at daily life in Japan. Students learn about life essentials such as food (where it comes from), rice (what kind is produced) the Japanese fishing industry (how it has changed and aquaculture) and vegetables (consider safety). Students will conduct a survey of the local environment, looking at a local field, which is used for rice farming. Students will also study about industry in Japan and the local area. Students will consider what products they have at home, how cars are produced and the ecology of cars. Pupils will also compare small and large industries, and how parts are made; import versus export.

Violin

All students participate in a Suzuki-method violin program. Students have one lesson a week.

Homework

Homework is given every night to students. This consists of work from the core subjects of math, science and English.