

## ENGLISH

In second grade, students read and listen to a variety of text genres, including fiction and non-fiction, to develop their love for reading, reading fluency, and reading skills. Through discussion, they work to improve comprehension and are able to describe the structure of stories, including characters, setting and the overall plot. Differentiated reading groups allow students the opportunity to learn at their own pace and work with peers who are on the same reading level.

The students write a variety of narratives in which they practice organizing their thoughts, adding details, and creating a cohesive paragraph. They also write opinion and persuasive pieces in which they develop a goal for their writing and address a specific audience. Second graders learn methods for research and complete an informative writing piece on a topic. They make use of technology to create a presentation of their findings. Through their writing pieces, the students practice applying the phonics skills and grammar conventions that they learn.

Effective oral communication is important in second grade as the students learn to express themselves clearly to peers and adults.

## ESL

### ENGLISH FOR SPEAKERS OF OTHER LANGUAGES

English for Speakers of other Languages (ESL) is designed to teach students to become socially and academically competent in English. Students who demonstrate beginner and intermediate levels are designated as part of the program. Elementary ESL students are assessed and taught in two small separate groups according to their level of English. Listening, speaking, reading and writing skills are introduced and reinforced to achieve fluency.

ESL teachers regularly monitor student progress during the year, as students improve, to modify the program according to student needs. This is done through work samples, observations, and official testing. Students are mainstreamed from ESL when they demonstrate an advanced proficiency in the areas of listening, speaking, reading and writing. On average, students are in the ESL program at CAISL for about 2 years, but this can vary depending on background in English and other factors.

## MATH

In order to cultivate an in-depth understanding of mathematics, students focus on developing their process skills through mathematical practices. They make sense of problems and persevere in solving them, reason abstractly and quantitatively, construct viable arguments, and critique the reasoning of others. Students model with mathematics and use appropriate tools strategically. They attend to precision, look for and make use of structure and look for and express regularity in repeated reasoning. Process skills are the essential elements for the mastering of math and will be developed through the content shown below.

In second grade, students build upon their knowledge and understanding of numbers. They use manipulatives to develop a deeper understanding of base-ten notation. They work to understand the value of each digit in a number.

Students practice basic facts to build fluency and speed. They learn addition and subtraction with and without regrouping up to three digit numbers throughout the year. They are introduced to multiplication and division as repeated addition and subtraction.

Students practice using standard units of measurement, both metric and customary, to measure everyday objects. They learn how to measure area, perimeter, capacity, and weight, and how to read and communicate time using digital and analog clocks.

third graders develop a deeper understanding of geometry and the attributes of shapes and use geometric terms to describe shapes. They learn ways of manipulating shapes by cutting, joining, and moving, and use the appropriate vocabulary to compare shapes.

Throughout second grade, the students learn methods and strategies for problem solving, and practice applying these to solve math problems and become mathematical thinkers.

## SCIENCE

In 2<sup>nd</sup> grade we focus on developing the following science and engineering practices or skills:

- Asking questions and defining problems
- Developing and using models
- Planning and carrying out investigations
- Analyzing and interpreting data
- Constructing explanations and designing solutions
- Engaging in argument from evidence
- Obtaining, evaluating, and communicating information

We develop these skills by studying the following content areas:

**Physical Science:** Structures and Properties of Matter.

**Life Science:** Interdependent Relationships in Ecosystems; Biodiversity and Humans.

**Earth Science:** The History of Planet Earth, Earth Materials and Systems; Plate Tectonics and Large-Scale Interactions; The Roles of Water in Earth's Surface Processes.

**Engineering and Technology:** Defining and Delimiting Engineering Problems; Developing Possible Solutions; Optimizing the Design Solution.

## PNL

### LÍNGUA PORTUGUESA 2

Nesta faixa etária, encorajamos os nossos alunos a evoluírem nas suas competências da Oralidade pela reflexão do seu funcionamento, pela valorização dos seus conhecimentos, vivências e interesses. Desenvolverão o gosto pela escrita, produzindo os seus próprios textos usando técnicas de escrita orientada e criativa. Por esta altura, os alunos iniciam-se, também, nas técnicas de organização da informação, em trabalhos de pesquisa de informação e aprenderão a integrar as novas tecnologias nos seus trabalhos. Ao longo do ano, os alunos irão ler e ouvir ler histórias tradicionais infantis de forma a criarem gosto pela literatura infantil.

## SOCIAL STUDIES

In second grade, students learn about the inventions and contributions of Ancient Egypt, Ancient China, and Ancient Greece and the impact they continue to have on our world today.

Through the study of Egypt, students learn about how communities change and develop over time and work together to prosper. With China, they learn about economics, trade and industry.

Through Greece, the students learn about the role of government and the importance of law and civil service. They learn to recognize map features and study the location and landscape of Egypt, China and Greece. The students also continue to develop their map skills and become able to identify Portugal, the United States, and the continents and oceans of our planet.

## 2<sup>ND</sup> GRADE

## ART

Grade 2 artists focus on developing four artistic processes: Create, Perform, Respond, and Connect. Expanding on the student's knowledge of the elements of art, will continue to be one of the main areas of focus throughout Second Grade. Students will now use combinations of these elements and express them using an increasing variety of art materials, skills, techniques and processes. Grade 2 artwork can be viewed at the Spring Show and the Fine Arts Festival.

## MUSIC

Grade 2 musicians focus on developing four artistic processes: Create, Perform, Respond, and Connect. Students master basic elements of notation by singing and playing instruments. These skills are enforced by Orff ensembles that include movement exploration. An emphasis is put on student creations such as arranging movement for a poem and composing music for a story. Grade 2 students perform twice annually: the Winter Showcase and the Spring Show.

## IT

### INFORMATION TECHNOLOGY

Technology is an integral part of the Second Grade Curriculum. Students use an on-screen robot simulator software to program a simple solution to a given task. Programs created with the simulator software are tested with the floor robot (Probot) making necessary adjustments using the numerical pad. Students build Lego models and use the computer to program it. Basic operations and concepts are covered during class time.

## PFL

### PORTUGUESE AS A FOREIGN LANG.

PFL is required of all students who are new to the language except to those who are just beginning to learn English. It is taught at Beginner, Intermediate and Advanced level. This program will give students the opportunity to express themselves in Portuguese, orally and in writing, and to understand the culture of Portugal. Students who successfully complete the PFL program through the Advanced level are eligible to move into PNL (Portuguese as a Native Language). During the transition, students will typically receive an Accommodation Plan or sheltered assessment.

## PE

### PHYSICAL EDUCATION

The Second grade curriculum is vertically aligned with the First grade one and students are expected to consolidate their knowledge. Students are also expected to be more independent working on their own or with a partner. The concept of a P.E. class climate will also be introduced, and students should be able to work together to generate a safe and healthy atmosphere.



Carlucci American International School of Lisbon

*is a student-centered educational community  
in which we challenge ourselves and each other  
to do our best and to make positive contributions  
to our diverse and ever-changing world.*

# GR 2

## CURRICULUM OVERVIEW



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Carlucci American International  
School of Lisbon (CAISL)

Curriculum Overview  
Grade 2