




Grade 4

# COURSE DESCRIPTION




Smart City International School has identified that curriculum goals considered essential to the learning process of its students. The curriculum is organized by standards and is measured against attainable benchmarks throughout the whole year.

SCIS believes it is essential for students, to see connections and relationships, alongside the acquisition of important basic skills, and to critically think and make connections.

The aim is for our students to become confident performers, presenters and public speakers, and work cooperatively and collaboratively. Students are taught to acknowledge their peers points of views and respond in an open-minded manner. Students are encouraged to give oral presentations across the curriculum.

Our aim is to teach our students to be dynamic and thoughtful problem solvers, to prepare them not only for college or university studies, but to also develop honest, compassionate, and caring citizens.

This course description will help you understand what to expect this academic year







## ELA

The elementary ELA team is welcoming you to the 2023-2024 school year. We are excited to share with you all that our school has to offer, and believe you will soon feel as we do that Smart City School is a special place for all children. Smart City School is offering Wonders course book as an international curriculum that teaches the analytical way of thinking in gaining the language at the same time teaches strategies and skills, by which the students can analyze and comprehend any piece of reading they come across.

Grade 4 students will be learning about the following:

### 1-Reading strategies and skills

- Refer to details and examples in a text when explaining what the text says explicitly and when drawing inferences from the text.
- Determine a theme of a story, drama, or poem from details in the text; summarize the text.
- Describe in depth a character, setting, or event in a story or drama, drawing on specific details in the text .


### 2-Speaking and Listening

- Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacherled) with diverse partners on grade 4 topics and texts, building on others' ideas and expressing their own clearly.
- Come to discussions prepared, having read or studied required material; explicitly draw on that preparation and other information known about the topic to explore ideas under discussion.

### 3-English Language Arts

- Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.
- Produce complete sentences, recognizing and correcting inappropriate fragments and run-ons.

### 4-Writing

- Write informative/explanatory texts to examine a topic and convey ideas and information clearly.
  - Write narratives in which they recount a well elaborated event or short sequence of events, include details to describe actions, thoughts, and feelings, use temporal words to signal event order, and provide a sense of closure.
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## Mathematics

Mathematics is a crucial part of our everyday life. We use it in everyday activities like buying food and clothes, keeping time, measuring and playing games. Children start school having already experienced mathematics informally by doing everyday tasks in order, handling different objects, and patterns. They may already recognize shapes and numbers, sorting and sharing but they do not realize they are doing mathematics as it is just a part of their everyday lives when they eat, dress, travel or shop. These are creative activities which provide a method of solving problems.

Grade 4 students will learn about:

- Operations and Algebraic Thinking

- Use the four operations with whole numbers to solve problems.
- Gain familiarity with factors and multiples.
- Generate and analyze patterns.

- Number and Operations in Base Ten

- Generalize place value understanding for multidigit whole numbers.
- Use place value understanding and properties of operations to perform multi-digit arithmetic.


- Number and Operations—Fractions

- Extend understanding of fraction equivalence and ordering.
- Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers.
- Understand decimal notation for fractions, and compare decimal fractions.

- Measurement and Data

- Convert like measurement units within a given measurement system.
- Represent and interpret data.
- Geometric measurement: understand concepts of volume and relate volume to multiplication and to addition.

- Geometry

- Solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit.
  - Represent and interpret data.
  - Geometric measurement: understand concepts of angle and measure angles.
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## Science

Science education gives students the opportunity to gain a better knowledge of how and why things function. Science can teach children about the world that surrounds them. Science also create curiosity and boost their Critical Thinking skills that help students understand and formulate questions on the information they have accumulated.

Grade 4 students will explore the following topics:

- Kingdoms of Life
  - The Animal Kingdom.
  - Exploring Ecosystems.
  - Surviving in Ecosystems.
  - Shaping Earth.
  - Saving Earth's Resources.
  - Weather and Climate.
  - The Solar System and Beyond.
  - Properties of matter and its changes.
  - Forces.
  - Energy.
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## English social studies

Social Studies invites students to explore the world around us.

It will trigger their interest to discover different countries and cultures as well as historical events. It encourages them to be good citizens and understand the importance of community.

Grade 4 students will learn about the following topics:

- Maps & directions.
  - Time
  - Competition
  - Numbers
  - Toilets
  - Money
  - Air
  - Paper
  - Colors
  - Films
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## World languages (French – German )


Learning an additional language has many amazing benefits, for school students. It not only increases the number of people a student can communicate with but increase job opportunities improving life and career. It also helps the student to be more confident and gives the opportunity to study abroad and opens the mind to new cultures.

### French :

Vous êtes les bienvenus ; sous le nom de l'équipe de français on a le plaisir de vous informer de notre stratégie pour enseigner le français cette année. Premièrement on s'appuiera sur les quatre compétences de l'apprentissage : Compréhension orale et écrite, et production orale et écrite.

On a l'intention d'appliquer ces compétences à travers le programme du DELF et les cours audio-visuelles ainsi que les recherches interactives et les activités manuelles concernant le programme et les thèmes convenants à chaque âge.

Notre but final est de transmettre le concept de la joie d'apprendre à l'aide des approches vivantes et motivantes, simples et claires de l'apprentissage de la langue française.



## German:

ulture interesse :Die deutschsprachige Kultur hat eine reiche Geschichte .

Die Landeskunde über Deutschland :Esen –trinken –reisen –Städte –

Nachbarländer –Wirtschaft- die Bräuche und Traditionen –Freizeit –

Bildungssystem- die Natur –Philosophen und Schriftsteller. Vergangenheit von Deutschland

Was können die Studenten in diesem Jahr lernen?

### Grade 4

- Die Wohnung und das Kinderzimmer beschreiben
- Den Wohnort vorstellen.
- Den Schulweg beschreiben.
- Über den Stundenplan und die Schule sprechen.
- Die Meinung über Schulfächer sagen.
- Die Uhrzeit angeben.
- Den Tagesablauf beschreiben.
- Über Frühstücksgewohnheiten sprechen.
- Dich verabreden.



## المرحلة الابتدائية G1 to G5

لاحظ  
وتعلم

الحروف

قصص  
الاستماع

تقدم الحروف لطالب بشكل مختلف  
وبترتيب مختلف عن المألوف.

تدريب التلميذ علي تكوين معني عام لما  
يقرأ ويسمع من خلال الكلمات الشائعة.

يفيد الطالب في التعبير الكتابي وسيحتاج  
لطالب التعليم من خلال الألعاب التعليمية

سيحتاج لطالب فرصة التعبير عن بعض  
الأحداث والأخبار بأسلوبه الخاص .

الكتابة  
السردية

نصوص  
القراءة

اللغة  
العربية

## الأدوات المستخدمة

الألعاب التعليمية  
اليومية وأوراق  
العمل

تقديم بعض النماذج المرئية  
من خلال دمج الصور  
والأنشطة داخل الصف  
الدراسي لمراعاة الفروق  
الفردية وطرق التعلم  
المختلفة لدى الطلاب.

أنشطة جذابة  
باستخدام العروض  
التقديمية (PPT).

## Arabic Social Studies



## Computer

Technology is the study of scientific knowledge in order to create tools and processes that may be used to change the world by increasing efficiency in nearly every aspect of our lives. Technology has made our lives easier, and all human beings have become entirely dependent on technology.

We collected for you the most beautiful programs that we will study for the American curriculum...

- Elements of the computer
- Tux Paint
- Ms. Office Program
- Typing Games
- Blockly Games
- Canvas
- Scratch
- Paint 3D



# Art

Art education developed skills always transfer to other areas of life and schoolwork. Those skills include :

- The use of fine motor skills and hand-eye coordination.
- Stimulation of their imaginations, as well as their cognitive and problem-solving skills.
- The ability to concentrate on the task, sticking with it from beginning to end.
- Self-Expression.

## Think Children Don't Need ART In the 21st Century?

# THINK AGAIN!

### An Arts Education Teaches Children To...

#### Collaborate & Cooperate

- Work together
- Understand Their Actions Affect Others
- Realize Even Small Contributions Have Value
- Compromise for Common Goal
- Take Responsibility for Mistakes
- Share responsibility
- Realize Their Contribution is Important to the Success of the Group
- Realize Mistakes Happen

#### Communicate

- Receive Constructive Feedback
- Develop Language By Talking About Art & Describing Creations
- Improve Skills Through Evaluation
- Communicate Different Emotions
- Realize Feedback is a Part of Learning
- Breakdown the Mechanics of Body Language
- Portray a Character Effectively
- Interpret Visual Information
- Experience Different Ways of Moving

#### Be Creative

- Think on Their Feet
- Approach Tasks From Different Perspectives
- Interweave Ideas Into New Possibilities
- Take Creative Risks
- Practice Creative Thinking Until It Becomes Natural
- Develop a Sense of Innovation
- Be Original!

#### Organize

- Concentrate & Focus
- Keep a Balance Between Listening & Contributing
- Develop Motor Skills
- Think About Their Role & How It Contributes To the Big Picture of What is Being Created

#### Problem-Solve

- To Keep an Open Mind
- Explore Further Info
- Move Forward to New Insight & Understanding
- Home Decision-Making Skills
- Develop Skills in Reasoning & Understanding
- Be Attentive to Details, of Perceptions & Ideas

#### Self-Direct

- Persevere!
- Practice Follow-Through
- Improve Academic Performance
- Develop Healthy Work Habits

#### Be Socially Responsible

- Act Responsibly With The Interests of the Larger Community in Mind
- Understand Choices Artists & Designers Make
- Know & Appreciate Diverse Societies
- Interpret & Evaluate Others' Perceptions of Reality

#### Be Fluent With Technology

- Develop Information & Media Literacy Skills
- Utilize Today's Digital & Social Media As An Appropriate Vehicle For Their Message (Computers, iPads, Video, Digital Cameras, and more!)
- Create Information in a Variety of Forms & Media

"We live in an age when the most valuable asset any economy can have is the ability to be creative—to spark and imagine new ideas, be they Broadway tunes, great books, iPads or new cancer drugs."  
—Thomas Friedman, New York Times, August 4, 2010

## Music

Music is an extremely important subject for all children to learn and can lead to better brain development, increases in human connection, and even stress relief.

- Music stimulates brain development in children
- Music is a way to connect with other people.
- Music integrates many different subjects.
- Music can relieve stress

Students will study music theories, musical notes, in addition to exploring different instruments.

A special plan will be prepared by the staff for the musically gifted students to help them reach a professional level





## Physical Education

Physical Education Provides all students with the knowledge and skills that will enable them to achieve and maintain their physical activity and healthful life not only during their time in school but for a lifetime.

- physical education curriculum aims to ensure that all learners:
  1. Lead healthy and active life styles.
  2. Engage in competitive athletics, games, sports and physical activities.
  3. Become confident and responsible persons in all walks of life.
  4. Develop moral, social and spiritual capabilities.

Loco motor skills	Manipulative skills	Stability skills
Walk	Catching	Stretching
Running	Underhand	Bending
Jumping	throwing	Balance
Hoping	Overhand throwing	Land
Side sleeping	Kicking	Twist / Rotate
Skipping	Hand dribble	Turning
Climbing		Climbing