SHANGHAI SINGAPORE INTERNATIONAL SCHOOL
上海新加坡外籍人员子女学校

Shanghai Singapore International School

Job Title: Upper Primary Mathematics and Science Teacher (Grade 5-6)

Our School:

Founded in 1996, the Shanghai Singapore International School (SSIS) aims to develop each student into a responsible global citizen, with a strong sense of character, preparing them for success in any life or career path they may choose. Our philosophy, vision, and mission are to educate students in an environment that will not only equip them with a high level of content skills and information but also help them to learn the behaviours associated with global citizenry and the concept of being humanitarians and caring individuals.

Reports to: Divisional Principals, Grade Level Coordinator (Grade 5-6)

Teaching Hours: Up to 20 hours a week

Works Collaboratively with:

- Upper Grade Math/Science Teachers
- Divisional Principals & Coordinators
- Homeroom Teachers
- Counsellors and Learning Support Specialists

1. Position Overview

The Shanghai Singapore International School seeks a passionate and skilled Mathematics and Science Teacher to join our Upper Grade team. The successful candidate will be responsible for delivering high-quality, differentiated instruction in both mathematics and science aligned with the Singapore Curriculum to students in Grades 5-6. This role requires the homeroom teacher's duties to support the holistic development and academic progress of all students. The ideal candidate is creative, organised, and committed to fostering a positive and inclusive learning environment where students develop problem-solving, scientific inquiry, and mathematical reasoning.

2. General Teaching Responsibilities

a) Write and execute well-structured lesson plans in both mathematics and science that align with the Singapore Curriculum and the school's programmes.
b) Create a predictable, task-oriented, and pleasant classroom climate where students are deeply involved in their mathematical and scientific work and exploration.
c) Use a variety of instructional strategies, including the Singapore Model Method, concrete-pictorial-abstract (CPA) approach for mathematics, and inquiry-based learning for science, to make content accessible to all learners.
d) Show evidence of ongoing assessment through pre-assessments, formative checks, and summative evaluations to monitor student progress and inform instruction in both subjects.
e) Communicate learning goals and student progress effectively in mathematics and science, discussing achievements and areas for improvement with students and parents.
f) Maintain a high standard of professional work ethic, including the timely submission of weekly lesson plans and accurate record-keeping for both subjects.
g) Actively engage in guiding, assisting, and monitoring students during lessons, providing constructive feedback and support in mathematical and scientific learning.
h)

i) Plan and implement lessons during Co-Curricular Activities (CCA) and After-School Programme (ASP), including mathematics enrichment, science exploration, and support sessions.
j) Utilise technology effectively to enhance instruction in both mathematics and science, including digital tools, interactive platforms, and laboratory equipment.
k) Facilitate hands-on science experiments and investigations that promote scientific thinking and inquiry skills.

3. Responsive Services

a) Collaborate with the Mathematics and Science teams, counsellors, and learning support specialists to implement strategies for student success and address learning gaps in both subjects.
b) Participate in the student support referral process, helping to identify students who may benefit from additional mathematics or science support or enrichment opportunities.
c) Consult with homeroom teachers and parents regarding strategies to support students' mathematical and scientific development and academic integration.
d) Participate positively in departmental meetings, professional development, and school events focused on mathematics and science pedagogy and curriculum development.
e) Support admissions by administering mathematics and science proficiency assessments to identify students' levels and inform placement decisions.
f) Contribute to the development and refinement of the mathematics and science curricula to ensure alignment with school goals and international best practices.

4. Homeroom Duties

a) Work collaboratively with the Co-form Teacher to support the pastoral and academic care of the students in the class.
b) Assist with the management of daily routines, including greeting students, overseeing transitions, and supporting classroom procedures.
c) Co-plan with the Co-form teacher to ensure differentiated content during Homeroom time.
d) Assist in the supervision of students during designated times, such as lunch and recess, ensuring a safe and positive environment.
e) Participate in parent communication and reporting regarding student achievement, issues, and progress, in consultation with the Co-form teacher.

5. Professional Responsibilities

a) Demonstrate professionalism in all interactions with students, parents, and colleagues.
b) Talk confidently about student progress in relation to curriculum goals and next steps.
c) Maintain accurate records of student progress and use data to inform instruction.
d) Engage in ongoing professional development to stay current with best practices in international pedagogy and language acquisition.
e) Undertake other duties as assigned by the Divisional Principal or Grade Level Coordinator.

6. Qualifications and experience required:

a) A bachelor's Degree in Education, Mathematics, Science, or a related field is required; a Master's Degree is preferred.
b) K-12 teaching license or certification.
c) A minimum of 2-3 years of teaching experience in mathematics and science, preferably in an international school setting.
d) Demonstrated expertise in the Singapore Mathematics Curriculum, including the Model Method and problem-solving approaches.
e) Demonstrated expertise in science instruction, including inquiry-based learning, laboratory skills, and hands-on experimentation.
f) Demonstrated knowledge of current best practices in mathematics pedagogy, including differentiated instruction and the concrete-pictorial-abstract (CPA) approach.
g) Demonstrated knowledge of current best practices in science pedagogy, including inquiry-based learning and scientific thinking.
h) Excellent written and verbal communication skills in English.
i) Ability to work collaboratively in a team and build strong relationships with students, parents, and colleagues.
j) Skilled in the use of technology for lesson planning, instruction, assessment, and documentation, including digital mathematics and science tools and platforms.
k) Demonstrated commitment to the safeguarding and welfare of children and young people.
l) Positive attitude, flexibility, and a proven ability to thrive in a dynamic, fast-paced international school environment.
m) Willingness to reinforce our School Mission, Philosophy, and Values through mathematics and science instruction and student interactions.