



INSPIRING

SUCCESS



**ROOTS
GARDEN
SCHOOLS**

PROSPECTUS

A WORLD CLASS INSTITUTION

committed to achieving the highest educational standards

A close-up photograph of two young women with dark hair, smiling warmly at the camera. The woman on the left is slightly in front of the one on the right. They are both wearing light-colored tops. The background is softly blurred, suggesting an indoor setting.

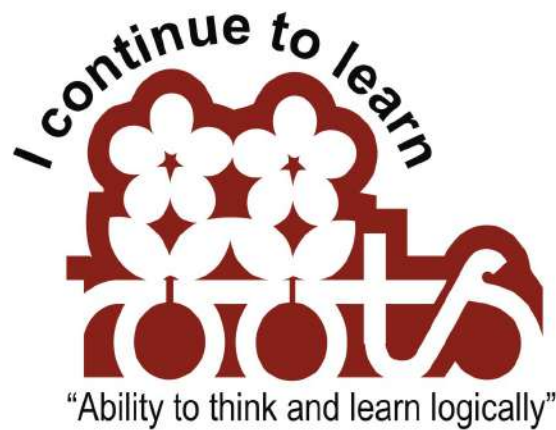
BECOME

what you want to be

**A
CHANCE**
to turn words
into positive
actions!

MISSION

STATEMENT



MISSION STATEMENT

Roots aim is to bring out the best in a child mentally, intellectually, spiritually, physically and culturally by developing the attitudes, abilities and skills in the students required to meet the Global Challenges through inter-cultural learning, by inspiring them to shape a world based on justice, solidarity, liberty, dignity, harmony and prosperity for all. Our ultimate aim is to produce future citizens with morals and values essential to humanity. Thus, with the use of information technology and student centred delivery systems, roots intends to become a leader by meeting the new challenges in education as they appear.

A WORLD CLASS CURRICULUM

Educating for Tomorrow's World!

PIONEER in **INNOVATING**
NEW LEARNING INITIATIVES
in **PAKISTAN!**



Roots School System is a success to be marveled at. Over the period of last 27 years, Roots School System has grown by leaps and bounds nationwide, having its presence in 16 major cities of Pakistan along with 100 independent and state-of-the-art campuses. The School employs more than 4000 people with an estimate of 25000 students currently enrolled. With more than 30,000 active alumni, roots is making a difference in every field. Some major achievements are: Pakistan's 1st ISO 9001:2008 certified school (Re-certification 2013-2016)

Roots School System won BEST OF THE BEST AWARD on demonstrating the core values of business excellence, product excellence, sustainability and success in providing academic services. The award honours organizations through the acknowledgment of innovative business processes, product development, enterprise, sustainability and overall business success. The Award also recognises the important social and environmental contributions made by organisations through excellence of service, commitment to their customers, philanthropic ideals, ethical behaviour and environmental sustainability.

The Roots School System was named THE FASTEST GROWING ORGANISATION at Pakistan 100 Awards, which was attended by many dignitaries, successful businessmen and entrepreneurs from all over the world. The Pakistan 100 are some of the most sophisticated entrepreneurs, who contribute in creating thousands of new jobs each year, and with worldwide visibility, they can expand and modernise the economic base of the region.

Roots Garden Schools Pakistan makes history to achieve ISO 9001:2008 certification from SGS Head Quarters under the authority of United Kingdom Accreditation Service (UKAS) and Pakistan National Accreditation Council (PNAC). This certification is a testament to the fact that RSS is in compliance with international best educational teaching, learning, management and administrative practices.

" We are humbled on our achievements in the field of education for the last 27 years. We shall continue serving the nation by harnessing the potential of our youth and thus producing productive and humane citizens who could contribute towards a better Pakistan and a better world at large. "

Riffat Mushtaq
Aizaz-e-Fazeelat
Founder/Chairperson
Roots School System

Nurturing fast rising future generation since 1988



On promoting
EXCELLENCE,
BEST PRACTICE and
INNOVATION worldwide



Pakistan's **1st**
ISO 9001:2008
CERTIFIED SCHOOL



HIGHEST RANKING
in the category of
SCHOOL SYSTEM
(EMERGING)



Winner
of **12th** ANNUAL
National Environmental
Excellence Award 2015
for consecutive 5 Years



ROOTS WINNER 2013
4th GLOBAL HR
AWARD



WON THE
PRESTIGIOUS 2013
ALL WORLD
'PAKISTAN 100 FASTEST
GROWING ORGANISATION
AWARD'

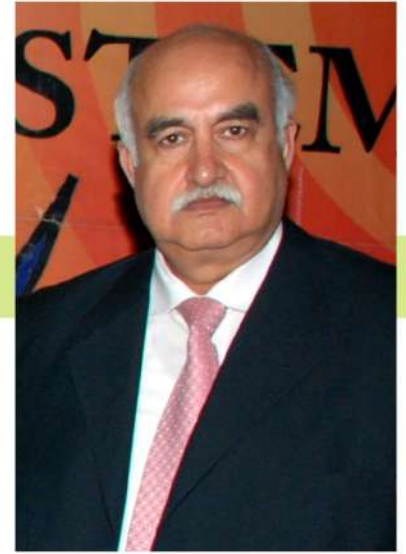


Grand Winner of
Intel Education
Awards 2013
Overall **1st & 3rd**
Position in Country

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FOUNDING DIRECTORS' FOREWORD



It gives me immense satisfaction and joy to see the overall development of students for over two decades. Roots is the “home of love, joy and creativity”, where every child is loved and respected.

In our pursuit to nurture a child, we continue to place emphasis on holistic learning and growth in our students, with moral values as our compass. We wish to enrich our students' learning experiences by creating more engaged and experimental learning opportunities for them while deepening their learning through reflection. We hope that while we engage our students to enjoy their learning, we develop in them lifelong skills and enduring values that will guide them in their lives. Throughout the year students are provided with varied exciting opportunities to display their creative abilities and skills and to think and learn logically by participating in a wide spectrum of co-curricular and extra-curricular activities within the school as well as at the national and international forums. Our young, vibrant and confident students excel in all the competitions by displaying extraordinary talent and thus earn awards and appreciation for their multifaceted skills.

Students are encouraged to understand the cause of things and explore the unknown. They are taught to dream, to aspire for heights of excellence and build lives on the belief “Sharing is the essence of human relationship”. Roots 3 E's approach – Exposure, Expansion and Exploration encapsulates what we aspire our students and staff to become. This vision hinges on our belief that each member of Roots family can and will give and achieve his best. We instill nationhood spirit, values of peace, harmony, tolerance, justice, fair play, child rights, respect for all cultures, good citizenship traits and love for humanity in our students at the grass roots level. With this as our foundation, we are committed to providing them meaningful experiences to develop and realise their potential to their maximum possible. Our staff will always remain the bedrock of school culture and glory as they work together unfaltering in their efforts to nurture our students' varied talents and abilities. At Roots our world is in constant motion, giving birth to creativity and innovation and thus invoking our students' imagination. From these amazing images of all our activities, the editorial board has worked incessantly to give you an insight into our “happening world” where every day dawns with a new challenge, hope and inspiration.

Thank you for your confidence in us. Assuring you of our continuous commitment in bringing out the best in our children. Our aim is to produce humane citizens imbued with strong values to contribute towards a prosperous Pakistan and a better world at large.

Riffat Mushtaq
Izzaz-e-Fazeelat
Founder/Chairperson
Roots School System

Col (Retd) Mushtaque R. Chaudhry
CEO
Roots School System

MESSAGE FROM THE DIRECTOR



Pakistan is blessed with exceptionally talented and brilliant young minds and I have always believed that if given the platform, right training and exposure they can break the barriers of mediocrity and achieve the extraordinary; all they need is proper guidance and grooming to realize their own potential; and once they do, nothing can hold them back from becoming the positive and much needed change in our society. This thought is the cornerstone of Roots School System

At Roots School System we aim at producing students who not only achieve academic excellence but due to their impeccable moral strength and unparalleled intellectual capabilities prove to be an indispensable asset to their community

As career counselors, our faculty is specially trained to help the students choose the right path, explore their talents and skills and be all they can be. Over the years we have introduced and implemented specially designed programs to ensure maximum outputs from the students; these programs help students grow through learning, discovery and acquisition of complete and right knowledge. Our courses challenge the intellectual capacity of each student and push them to display their best in both academic and extracurricular arenas

Roots College International is not just about securing good grades; it is about helping students grow into gifted and morally strong human beings — who are ideal role models to their successors. I feel proud to say that our students have been responsible in introducing some of the most crucial and talked about social issues at both national and international level. They are eager and dedicated to play their part in spreading awareness regarding these issues and make a difference in millions of lives

As a result of their immense hard work, outstanding results and selfless community services, Roots students find it easy to secure spots at some of the leading universities across the globe. Our students are now a part of top educational institutions like Harvard, Yale, Oxford, Dartmouth, Penn, John Hopkins, TUFTS, Duke and Brown to name a few. They have successfully obtained scholarships amounting to over \$100 million for four years of undergraduate studies and approximately \$60,000 summer placements

I take tremendous pride in my faculty and students. Their dedication and brilliance has made Roots the leading internationally recognized educational institute in Pakistan and the world. I promise you all that Roots does not stop here, we will continue our tradition of achieving and reaching beyond excellence in education

Rootsians I am extremely proud of you and feel confident that you all will lead our country into a prosperous and stronger future

Khadija Mushtaq

Tamgha-i-Imtiaz
CDE Fellow of University of London
Executive Director RSS
CEO
Roots IVY International Schools



**BRINGING
OUT THE
BEST IN
CHILDREN**

NURTURING THEM FOR ALWAYS

ABOUT

'Unique just about sums up Roots'

Roots Garden Schools

Roots School System RSS is a model private sector educational institution which is Pakistan's 1st ISO 9001: 2008 Certified School styled on the modern educational system of international standards, specially designed to meet the requirement of the students to meet the challenges by involving the three E's approach;

EXPOSURE | EXPANSION | EXPLORATION

Established since April 1988, Roots has innovated modern education standards, with universally acclaimed academic excellence and all round development of students. Roots has achieved academic excellence and all round development of students for over 27 years. Roots Garden School is the only school in Pakistan providing continuous education from Montessori to undergraduate level.

ROOTS PERSPECTIVE

The foundations of our perspective are the things we have always stood for celebrating, diversity, creativity, vitality & excellence. The world is changing dramatically and the things that make Roots different are now more relevant than ever before. Diversity is important because the huge range of different disciplines, culture, backgrounds and point of view of the school / college make it a uniquely challenging learning environment perfectly suited to the kind of world we send our graduates out to.

CREATIVITY

Creativity has made Roots an innovator in so many fields, but we recognize that at the heart of our creative culture is the ability to thrive in a complex and ever-changing environment.



Pre Play Group	2 years+
Play Group	3 years+
Junior Montessori	4 years+
Advance Montessori	5 years+



Grade 1	6 years+
Grade 2	7 years+
Grade 3	8 years+
Grade 4	9 years+
Grade 5	10 years+



Preparatory Level, 'O' Levels,
'IGCSE', SSC / Matric, HSSC /
F.Sc, AS' & 'A' Level ,
B.Sc Hons (University of London),
LLB (University of London), ACCA Qualifications

ABOUT

Our Achievements

Excellence at Roots is not just about competition and self-advancement, but about a community of learning that cares about its members and actively helps them to achieve the best they are capable of. The achievements of our students are possible because Roots is a lively learning community on a human scale, in which it is still possible to foster a sense of individuality. We encourage our students to contribute towards the community as well as benefitting from it.

Roots has a reputation for being challenging so you're certain to come into contact with ideas, new concepts and new achievements. You'll find yourself turning problems inside out and upside down, defying convention, thus rewriting the rules.

We are committed to making sure that you are offered high quality teaching and learning environment at Roots. As part of each section's quality assurance mechanisms, we take an active part in monitoring quality and standards by providing regular feedback on the content Monitoring Committees from Department of Quality, Curriculum and Teaching Standards regularly visit Roots Branches nationwide and make recommendations about the quality and standards of programmes of study.

Aims & Objectives

At Roots we aim to inculcate the following values, knowledge and skills:

Adherence to the Ideology of Pakistan.

At roots we inculcate strong nationhood spirit by instilling pride in our identity "PAKISTANI" and our religion "ISLAM".

We are committed to instill strong moral values, character, integrity, honesty, fairness, tolerance, peace, respect for diversity, human rights and human dignity to ensure we produce future leaders of impeccable character to lead and inspire.

Develop the ability to think and learn logically.

Develop fully as individuals, developing personal qualities of self-respect, self-confidence and self-discipline by promoting a caring and positive atmosphere.

Gain skills and competence not only in the field of numeracy, literacy and science, but across all areas of the curriculum.

Develop the qualities of caring for others and sharing in the school community as a whole.

Develop an appreciation for the world around us and their place in it.

Develop the creative aspect of themselves and an awareness of aesthetic considerations.

Develop lively, ensuring minds and the ability to apply themselves constructively to all kinds of tasks.

Develop leaders to steer the world of tomorrow.

Roots is the "Home of Love & Joy" where children learn and live like one family and experience success in a variety of ways.

Roots is unique as it evolves around a vision:

Our Belief: "Sharing is the essence of human relationship."

Our Ideals: "Learning to know, Learning to be, Learning to do and Learning to live together."

Our Commitment: "Each One, Teach One. Each one, Empower One."

Our Slogan: "Pakistan our Pride! Pakistan our Identity!"

Our Curriculum Doctrine: Promoting Knowledge, Skills and Values through 3 E's: Exposure, Expansion and Exploration.



ROOTS

21st Century Curriculum

Promoting Knowledge, Skills and Values

Roots success is based on its unique approach to students learning, curriculum, assessments, teaching development and beyond the classroom learning initiatives.

Learning to know | Learning to do | Learning to be | Learning to live together

Children are the challenge and inspiration of today. They are the hope; protectors and champions of the future. Only parents and teachers can pass on a legacy that destines what the world of tomorrow will be. "roots" is the home of "creativity, love and joy" where each child is assisted in growing according to his natural design. We believe while no child is exactly like another, for each the level of achievement can be raised, aspirations stirred, potential talents discovered and developed so that he can find his own worth and dignity. Education, like our environment is constantly changing. Whilst the essential virtues of honesty, integrity, common sense and tolerance never vary, the way in which we approach the task of making the most of each child's talent is considerably affected by what happens in the world outside the school. It is therefore essential that we equip our pupils as best as we can to meet the challenges of modern living. This means change within the schools.

Years ago, education meant committing to memory large quantities of information. This practice continued for years and, to man, education became synonymous with the accumulation of facts. The more one taught the better the school. Thus less attention was paid to the need to use this knowledge to reach logical, reasoned conclusion. Roots curriculum is broad based and it encompasses the ability to think and learn logically, caters inquiry based learning to develop enthusiastic learners; who have the ability to produce and present arguments based on logic and reasoning. Roots Primary Curriculum provides ample room and opportunities to interact socially, discuss problems and find remedial measures, explore the unknown and reach out for information. Hence it aims at maximum exposure, social interaction and

develops a balanced personality by bringing out the best in a child, intellectually, spiritually, physically, culturally and morally. It is vital that the mind and intellect, which pilot the dynamics of personality, are developed along the right lines.

We are living in the information era, where all the knowledge of the centuries is available on the click of a mouse. Hence, the emphasis has shifted from the acquisition of facts to the techniques of dealing with information, systematically and logically. We aim to teach students to reason the how and why of things and where to find accurate information and what to do with it when acquired. Thus, we endeavor to develop these skills at the primary level by exposing our young learners to a variety of stimulating activities which are spearheaded by the young students themselves. The teachers act as facilitators and are continuously directing the children's energies into constructive channels.

Roots School Systems' (RSS) Department of Qualifications Curriculum and Assessments (DQCA) has a committed team of curriculum leads who are the finest chosen practising teachers of the system. Department of Qualifications Curriculum and Assessments (DQCA) believes in continuous research and development (R & D) whereas the curriculums are reviewed and reformed from time to time considering and addressing the needs of the millennials' of the digital era. Roots DQCA is the vital engine leading the school to achieve highest standards of quality and delivery of roots curriculum. The professional teachers act as inspectors, mentors and trainers throughout the academic term by continuously visiting and evaluating the teaching and learning standards of the respective teachers and students. A very comprehensive individual teacher's performance

proforma is maintained and professional training is imparted in areas which need to be strengthened. Teacher- Training is an integral component of RSS. Annual Teacher Development Conferences are held in which leading international trainers, scholars and motivational speakers are invited to enlighten RSS Teachers on the latest learning and teaching approaches being practised around the world. RCPDD - RSS Department of continuous professional development remains engaged in conducting workshops for teachers through out the year as we strongly believe that only quality teachers can breed quality pupils.

We instill nationhood spirit, values of peace, harmony, tolerance, justice, fair play, child rights, respect for all cultures, good citizenship traits and love for humanity in our students at the grass roots level. With this as our foundation, we are committed to providing them meaningful experiences to develop and realise their potential to their maximum possible. Assuring you of our continuous endeavors in promoting 21st century education and skills.



ROOTS INTERNATIONAL MONTESSORI

Montessori gives your child a strong basis in his most formative years for developing into a well rounded, responsible, happy and fulfilled adult. It aims to help children developed co-ordination, body image, awareness, sense of order and concentration. It is based on a sensible balance between freedom and structure specifically designed for early years. It provides a pleasant environment with carefully devised materials that meet the child's natural needs. It provides the overall guidance of a thoroughly trained montessori directress.



CURRICULUM ESSENTIALS: THE MONTESSORI VISION

The Montessori method embraces the development of the whole child and is an approach based on "following the child." It fosters love of learning in children. It helps them to build self-confidence, inner discipline, a sense of self-worth and guides them towards positive, desirable social behaviour. While encouraging independence, self-reliance and a questioning mind. It also develops respect for other people and a caring attitude toward the child's environment. All of this is achieved in the orderly, prepared environment unique to the Montessori classroom, under the guidance of specially trained Montessori directresses.

Our Montessori programme is based on self-direction, non-competitive and cooperative activities that help a child develop strong self-image, high levels of academic and social competence and the confidence to face challenges with optimism. Encouraged to make decisions at an early age, Montessori educated children are problem-solvers who can make appropriate choices, manage their time, and work well with others. They exchange ideas and discuss work freely. These positive communication skills build the foundation for negotiating new settings.

SUBJECTS OFFERED BY RIMP:

- English (All RIMP levels)
- Mathematics (All RIMP levels)
- Urdu (All RIMP levels)
- Islamiyat (All RIMP levels)
- General Knowledge (All RIMP levels)
- EPL/Sensorial (All RIMP levels)
- Kitchen lab (All RIMP levels)
- Music (All RIMP levels)
- Puppetry (All RIMP levels)
- Physical Education (All RIMP levels)
- Art (All RIMP levels)

Principles of the Montessori Approach

Every child is unique with creative potential, the drive to learn and the right to be treated with respect as an individual.

As children are profoundly affected by society and their immediate surroundings, we create an environment in harmony with the child's natural development.

Children must be given freedom to work and move around, within guidelines that enable them to see themselves as both independent and part of a group.

Montessori materials help children to explore and master their environment through activities which aid the development of the whole personality.

Children are encouraged to work at their own pace, either individually or in co-operation with others.

Children are carefully observed on regular basis, both individually and as a group through observations, inventories and portfolio of student's work.

Children are encouraged to learn, collaborate and help each other.

Each child is provided opportunities to choose own work from interests and abilities, concepts taught within context of interest.

RIMP offers following levels

Preplay Group	Stage 0	Age: 2 yrs
Play group	Stage 1	Age: 3 yrs
Junior Montessori	Stage 2	Age: 4 yrs
Advanced Montessori	Stage 3	Age: 5 yrs

Areas of Learning

Freedom

The child moves freely around a Montessori classroom talking to other children, working with any equipment he chooses or asking the teacher to introduce a new material.

Sensorial Exploration

Children are aware of a world, constantly exploring it and taking in impressions through all their senses. The sensorial materials encourage children to order and classify the physical properties of the world they live in. These activities stimulate and develop the senses, refining children's powers of observation, perception, exploration and communication.

Natural Environment

Experience of the natural environment helps the child achieve harmony with it. It also contributes to the child's spiritual growth. The child should grow up close to nature.

Social Awareness

Through freedom and movement and Montessori exercises for the care of the environment, care of self and development of social skills, the child is helped towards social awareness.

Practical Life

Young children have a strong urge to become independent. Practical life activities help them to perfect the skills they need in daily life. Whilst learning essential life skills, the children are also developing hand-eye co-ordination and the capacity to focus their attention for an activity. Successful completion of such tasks give children a real sense of their own achievement, and this builds their self-confidence.

Beauty

The environment should be aesthetically pleasing and simple to the eye.

Mathematics

Montessori Mathematics materials enable even a very young child to achieve a natural appreciation of mathematical concepts through his or her own efforts. This avoids the mental blocks which so often occur in children faced with purely abstract concepts. Specially designed equipment helps children to grasp concrete ideas along with the sensory experience of numbers, quantities and mathematical operations. Gradually children can move confidently to complete abstract mathematical problems.

Language Materials

Help the child develop the language skills which are listening, speaking, reading and writing. First through the sand paper letters, the child learns both the sounds and shapes of the letters. Then he listens for the sounds in words and begins to build them using the Montessori movable alphabet. The phonic approach is used in the Montessori method. The child is taught to read after careful preparation and when he shows he is ready, he succeeds and finds reading an enjoyable activity. Furthermore, while the child is absorbing his own language in the Montessori method, he is exposed to games and activities which introduce him to the correct use of grammar. This approach helps lay sound foundation for the future.

Cultural Exploration of the World Around

The Montessori approach covers a wide range of subjects which reflect the broad interests of young children. The Montessori environment stimulates these interests and extends knowledge and understanding of art and crafts, geography, history, music, science and the natural world.

Cultures from around the world are explored and celebrated.



ROOTS INTERNATIONAL PRIMARY

A WORLD CLASS CURRICULUM EDUCATING TOMORROW'S WORLD

Developing skills, abilities, attitudes and behaviour to meet the challenges of 21st century.

Keeping in mind the changing paradigm of education today, Roots in a first of its kind initiative has customized Primary Curriculum setting Cambridge International Primary Programme as a benchmark. RIPP is benchmarked with the Cambridge International Primary Programme which comes from one of the World's leading assessment organizations. RIPP is a holistic effort towards achieving a sustainable curriculum which meets the local as well as global educational needs. RIPP is the Primary Programme which is based on curriculum of English, Science, Mathematics, ICT, Social Studies, Islamiyat, Urdu, Social entrepreneurship Skills, Global Citizenship, Environmental Education, Arts & Foreign Languages that are stimulating for both students and teachers. The knowledge and skills that will be developed can ensure a smooth transition from primary to secondary schooling at national and international level. RIPP gives a world-class support to teachers through publications, online resources, training workshops and professional development.

RIPP

offers following levels:

Grade 1	6 years
Grade 2	7 years
Grade 3	8 years
Grade 4	9 years
Grade 5	10 years

DIFFERENTIATED LEARNING EXPERIENCES



SUBJECTS OFFERED BY RIPP:

- | | | | |
|---------------------------------------|--|--------------------------------|-------------------|
| English | Mathematics | Urdu | Islamiyat |
| Science | Information Communication Technology (ICT) | Social Studies | Arts |
| Global Citizenship & Values Education | Environmental Education | Social Entrepreneurship Skills | Foreign Languages |

PROGRAM

RIPP

RIPP-Roots International Primary Programme: A World Class Curriculum!

Education for tomorrow's World! In continuation of our rich history of engaging students in world class learning and providing them enriching experiences, RIPP has been developed through indigenous effort by our seasoned and experienced curriculum reformers and developers. Our primary programme encompasses 21st century skills-critical thinking, communication, collaboration and creativity promoting Knowledge, skills and values through RSS 3 Es; exposure, expansion and exploration. Designed for children aged 5-11, RIPP provides learning objectives for each year of your child's education. Its step by step programme of learning takes children from the start of primary education to completion, before they move on to secondary education. The RIPP helps school teachers and parents gain a greater understanding of their children's abilities. Continuous assessments of learning objectives are integrated in the curriculum. These assessments provide information to analyze students' achievements, strengths and weaknesses, and give teachers invaluable information to help guide the child in the following year. In the final year of primary education i.e Grade 5, students take the formal examination in all subjects to evaluate their knowledge and application skills.

Moreover, RIPP is a comprehensive primary programme preparing students to be active participants in a lifelong journey of learning. It provides opportunities for students to build meaning and refine understanding, principally through structured inquiry. These are essentially social acts of communication and collaboration. It focuses on the development of the whole child as an inquirer, in the class room and in the world outside. It is defined by trans-disciplinary themes of global significance, explored using knowledge and skills derived from subject areas with a powerful emphasis on inquiry-based learning.

English:

The syllabus of RIPP English enables students to achieve greater fluency, accuracy and confidence in the language as it is spoken and written. English is a gateway to all the other subjects. Roots International Primary Programme's base line is to develop all the four skills of the pupil i.e. Listening, Speaking, Reading and Writing. Our

Curriculum covers the area of developing the child's speech through designed activities to monitor and enhance clarity, fluency, relevance and confidence of speech in the students by exposing the child to a variety of reading materials. Listening is polished through alliteration, rhyme and word play. Writing skills are developed through exposing pupil to 'guided creative writing' and numerous attractive language sheets to optimize learning in minimum time. Speaking skills are enhanced by exposing children to drama, poetry, recitation, speeches and class presentations.

Mathematics:

Mastering mathematical skills is absolutely essential for future opportunities in school and careers. RIPP maths gives students the personalized practice essential to math success. It also provides hands on experiences and rich, meaningful learning opportunities through the use of higher level thinking skill, situational analysis, reasoning, application of technology and problem solving in an ideal

setting. The RIPP mathematics curriculum is presented in five content areas: Numbers, Calculation, Mental Skills, Problem Solving and organizing and using data. The curriculum focuses on principles, patterns, systems, functions and relationships so that students can apply their mathematical knowledge and develop a holistic understanding of the subject. The goal of the curriculum is to develop students who are confident, responsible, innovative and engaged thus, providing a solid foundation upon which the later stages of education can be built.

Science:

Science enables students to develop a deeper insight and wider perspective on social issues and cultures around the globe and is an effective preparation for further study. Science is concerned with the development of knowledge and understanding of the biological and physical aspects of the world. Scientific enquiry is the process through which such knowledge and understanding is developed. Our curriculum aims to assist teachers in developing the child's interest and curiosity about the biological and physical world through incorporation of experimental and investigatory skills in their work.

Social Studies:

Social studies is a subject that introduces the child

to the past and also unveils the present geographical, cultural, economic social traditions and customs. Our curriculum is designed and taught through drama, role play and activities. We have tried not to make it a thrust but rather instigated motivation by introducing diverse cultures through practical activities and facts. Our curriculum addresses how to kindle the child's imagination; arouse their curiosity and make them think logically. It develops nationhood spirit through exposing them to the fundamental history of Pakistan gradually and systematically. Good citizenship traits are instilled all across the curriculum.

Islamiyat: (Religious Studies)

Islamiyat is a compulsory subject in our school curriculum from montessori - SSC/O-Levels/IGCSE. Alongside the prescribed text book grade wise, Islamic values are inculcated in the young minds. Kalmas and Namaz are an integral part of our curriculum. Roots International Primary Programme cultivates strong moral values according to Islam. Honesty, truthfulness, tolerance, fair play, justice, respect, responsibility, courage and care for humanity are the cornerstones of our curriculum. All religious events are celebrated with tremendous fervour and enthusiasm by students in the school. Through islamic stories we inculcate all the essential values of our great religion "Islam".

Urdu:

Urdu is our national language and is introduced alongside English in the montessori school. Strong foundation is laid in the early years by developing urdu reading skills using phonics approach and colourful readers are introduced to arouse interest and imagination of the young learners. All the four language skills listening, speaking, reading and writing are developed in harmony. In the primary years children read story books to enhance their reading skills and develop hand writing script by practicing writing in the work books. Comprehension skills are developed gradually by the proficient Urdu subject teachers.

Roots-Intel ICT Joint Curriculum Initiative:

1st initiative at Elementary Level in the WORLD by Roots and Intel.

RSS in a first of its kind initiative has customized a unique ICT curriculum for Grade 1-7 in collaboration with In-tel Education Pakistan. A

ROOTS INTERNATIONAL PRIMARY

key consideration factor in this regard was that students today, more than ever, need the ability to understand and deal with complex issues and problems. This course has been created to help develop your child's technology literacy, critical thinking and collaboration skills. Through this initiative, Roots is preparing today's young people to flourish in the knowledge based economy of the 21st century. Our goal is to help students develop the higher order thinking skills they need to realize their full potential. Roots was the 1st school to introduce ICT as a compulsory subject in the school curriculum thus, promoting ICT as a common denominator to bridge digital divide. Building of lifelong skills is a part of the roots experience. The Intel-Roots School System Skills for Success Curriculum is designed to equip the students with computer tools and applications that are necessary to live and work in technology saturated world. It is bringing the future within reach for thousands of young rootsians through fun, interactive information and innovative activities. Teachers have to be empowered to be able to prepare the millennials 'the digital natives'. Our training department RCPDD (Roots Continuous Professional Development Department) in collaboration with INTEL is committed round the year to equip the teachers with essential tools for 21st century teaching. In RSS all teachers are Intel certified and undergo numerous training courses for professional development. These courses go a long way in helping the classroom teachers to integrate technology all across the curriculum.

1st School in Pakistan to launch Chinese Language at Elementary Level across ROOTS SCHOOLS.

Roots is one of the pioneer private educational institutions to introduce different foreign languages to its students:

To promote a culture of peace and harmony, it is essential to understand and learn languages. Roots took the 1st ever initiative in Pakistan to launch Chinese language classes at the Elementary level across its schools. Young rootsians are learning Chinese language with tremendous interest and are expanding their knowledge and horizons. In the high school many other languages are offered as per interest of the

students. Besides learning languages, our students are given the exposure through first hand experiences by visiting different countries of the world by participating in different children's festivals, summer youth camps, international science fairs, youth leadership conferences and environmental summits. Thus roots expands the classroom experiences to global experiences through exposure, expansion & exploration-Roots 3E's Philosophy. Our ultimate aim is to produce humane citizens who could contribute towards a better Pakistan and a better world at large.

1st school to introduce Environmental Education at Elementary Level.

Environmental Education: Roots has innovated many new disciplines in its curriculum for the 21st century. We have integrated environmental education in our curriculum at the grass roots level. The students are sensitized on the environmental degradation taking place all around us by initiating environmental clubs which generate tremendous response and students are made to realize that they are the custodians of their mother earth and thus they have to protect it for their future. Roots School System from its inception has been committed to all areas of human survival that are Health, Education and Environment. Roots School has been the most active member of all national and international environmental issues since its establishment. Roots Schools have been collaborating with the Ministry of Environment, UNDP, UNIC, UNESCO, District Administration and WWF - Pakistan Chapter in creating awareness in the communities by organizing mega environmental exhibitions, extravaganzas, walks, symposiums and talk shows to educate the people on the environmental degradation taking place all around us. Roots School System has been awarded the prestigious "National Environment Excellence Award" by the Federal Ministry of Environment and is the recipient of the National Environment Excellence Award for the 7th consecutive year since 2009-2015.

Roots High School students are engaged with the Ministry of Environment in numerous environmental projects and thus contributing their share in making Pakistan cleaner and

greener by initiating a slogan:

1st school to initiate Global citizenship in the curriculum at the grass roots level.

Global Citizenship and Values Education:

Roots school being an initiator in introducing many new innovative approaches, also took another initiative in introducing "Global Visions" class in school to keep the students abreast of the world in which they are living by studying and understanding the global issues and deliberating through brain storming sessions, discussions, interaction with international students on finding innovative solutions to the problems confronting our world such as environmental degradation, poverty, illiteracy and hunger.

Global citizenship curriculum provides the opportunity to develop the knowledge and skills required to work and live in a diverse world. It presents a foundation, unique, and critical look at the roots and impact of inequality and discrimination related to the issues of social justice (e.g. economics, technology, energy and environment). Learners explore personal and social responsibility in their personal lives, in their communities, and in the global and local work environment. Its aim is to broaden the scope of the content and encourage the use of more active participatory methodologies in the class room so that the combination of knowledge with investigation, interaction and participation could be achieved. It also provides opportunities for learners to engage in community action and reflection so as to learn from them. The curriculum encourages the use of active participatory strategies such as class discussions, engaging students in inquiry, having them learn with and from each other in cooperative groups, engaging them in the study of and having them develop case studies, role plays and simulations. The curriculum provides an excellent foundation for the promotion of international understanding and inter-cultural awareness necessary to prepare students for global citizenship. Above all, it fosters respect and understanding of people and events in a variety of cultures throughout the world and embraces diversity as the shared heritage of humankind.

PROGRAM

1st School to inculcate social entrepreneurship skills in students at Elementary Level.

Social Entrepreneurship Skills:

Sowing seeds of empathy among rootsians!

To meet the challenges of the fast paced growing world it is very important to cultivate entrepreneurial skills in young students at the Elementary Level. Entrepreneurship education prepares students to be responsible, enterprising individuals who become entrepreneurial thinkers by immersing them in real life learning experiences where they can take risks, manage the results and learn from the outcomes. At roots we cultivate social entrepreneurship among our students at an early stage so that they start practicing empathy, team work and leadership while working as one team in a community in resolving social issues by coming up with innovative solutions. Social entrepreneurial skills empower our students to realize their own ability to make positive social change. We inspire our young students to start and lead their own social ventures in the community by identifying social issues like illiteracy, poverty, corruption, child abuse, violence and environmental degradation by taking them to the communities in the suburbs of the city, by developing relationships with the children of the rural schools. Thus by working in the community youth realize that everyone is a "change maker" and they grow up practicing empathy, teamwork and leadership. At roots, we are inculcating empathy in our children and as a result our young students have initiated several empathy projects by adopting sister schools and orphanages in the suburbs of the city. We are committed to mobilize the youth to realize a society in which empathy is as fundamental as reading and math in education.

TEACHING METHODOLOGY:

At Roots we observe student centered teaching methodology in which students are active partners in the learning process, facilitated by the respective teachers. Each student is encouraged to think and learn logically by exposure to a variety of teaching techniques, which develop skills and abilities in the students to be able to comprehend knowledge and apply it in relevant situations.

We believe while no child is exactly like another, for each the level of achievement can be raised, aspirations stirred, potential talents discovered and developed so that he/she can find his own worth and dignity. We believe that children must

be provided ample opportunities to interact socially, discuss problems and find remedial measures, explore the unknown and reach out for information, accumulate facts and present them publicly with reasoning. Hence today's education must aim at more exposure and social interaction. OUR AIM is to develop a balanced personality by bringing out the best in a child intellectually, mentally, spiritually, physically, morally, culturally, aesthetically and religiously. It is vital that the mind and intellect which pilot the dynamics of personality are developed along the right lines. To be able to compete in today's world we inculcate competitiveness and hard work at the grass roots level. Students are motivated to aspire for excellence in all spheres of life.

At "roots" rote learning is strictly negated as we encourage our children to understand the why, what, where and when of things. Students are taught to be curious, inquisitive, imaginative, critical and creative in their learning approaches. Committed teachers are continuously engaged in inspiring the young students with their creative and varied teaching and learning approaches. At Roots we understand that every child is "Unique" and we have to uncover the uniqueness in each child and develop it to its maximum with encouragement, love and affirmation.

CREATIVE WRITING is introduced from grade I and gradually developed according to a designed programme. Reading and communication skills form the central part of our language curriculum. At Roots we encourage our young children to think independently by arousing their imagination through stimulating pictures, stories, videos, show and tell time and talking sessions. All these teaching and learning approaches arouse curiosity among the young children and they start posing Wh questions.

These activities enhance their vocabulary and thinking skills. Thus commencing from Montessori we encourage our children to write independently on topics relevant to their age group and of interest to them in class under the guidance of their English teachers.

In the Beginning stage I, we do not check their writings for spelling errors, punctuation, mistakes etc. In this stage our aim is to uncover their creative thoughts in their own expression and gradually develop their creative writing skills by exposing them to a variety of writing approaches using new vocabulary in the form of word banks,

RIPP

worksheets, picture stories, clues, fill in the blanks and picture sheets. We give lot of practice to our young kids and finally develop them into brilliant creative writers and thinkers by the time they complete their primary programme. Grammar, sentence structures, vocabulary and spellings are developed side by side by following a stepped approach. We must remember that the edifice of future learnings is based on the strong foundation laid in our early years schooling; montessori - primary. We look forward to your whole hearted cooperation and support in the attainment of our goals. Kindly encourage your child to establish personal room library and encourage him/her to make books his/her best friends.

Mathematics

Mathematics concepts are thoroughly taught in the class. Ample practise is done in the books, workbooks and notebooks through Activity cards' All students are encouraged to ask for clarification in case of any problem in understanding of concepts.

Individual help is given to students as per requirement.

Mathematics is an abstract subject and needs rigorous practice on daily basis.

All students have to reinforce the concept taught and practised in the class by doing the Reinforcement neatly in their Mathematics workbook/notebook at home.

Every day student has to submit his/her Mathematics workbook/notebook for checking in the first period to the "Subject In-charge" for checking.

In case a student faces any problem while doing his / her Mathematics R.A, kindly do not do his / her assignment instead guide him to think and solve the problem independently as the very essence of giving the R.A would diminish. Still if the student cannot solve the problem, he / she must leave it blank on neat workbook/notebook and try on rough notebook and the respective teacher shall guide him/her in the class the following day.

Home tuitions are strictly forbidden. To achieve 100% marks in Mathematics a student has to be regular in attendance and needs to be attentive, enthusiastic and motivated.

Only rigorous practice can yield A-I Grade in Mathematics.

Parents' cooperation will be highly appreciated.

ROOTS INTERNATIONAL PRIMARY

Parents' cooperation will be highly appreciated. Mathematics teacher shall always be available for any support / help in her respective subject. Maths Supplementary Classes are held after school hours as and when a need arises . Complete teaching is done in school. learning approaches. Committed teachers are continuously engaged in inspiring the young students with their creative and varied teaching and learning approaches. At Roots we understand that every child is "Unique" and we have to uncover the uniqueness in each child and develop it to its maximum with encouragement, love and affirmation.

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ASSESSMENT SYSTEM:

At roots we observe continuous assessment system in the form of sessionals, spot tests, surprise tests, class tests, presentations, research work, projects, and term exams. An Examination and Assessment Committee conducts these

sessionals/ examinations centrally to ensure uniformity and quality standards.

Individual record of the student is maintained in the school. Monthly sessionals/ tests are held on scheduled dates and individual folder along with the progress card is sent home for parent's perusal. In case a child's academic graph is not satisfactory, a parent- teacher meeting is immediately arranged to determine the cause of weakness and identify the problems and together work for the enhanced growth of the student. We consider parents as our most valuable partners as together we are committed in developing the maximum potential of our child. On your part, you are most welcome to initiate a meeting with the Headmistress to discuss your child's academic progress/ behaviour etc. by taking prior appointment through the school co-ordinator. You're most welcome to see the Head on Thursdays after school hours: 2:00 2:30 p.m. Parents can also take appointment as and when required.

CLASS I TO IV JUNIOR SCHOOL:

In the Junior School i.e. Class I to IV students are assessed on the basis of their daily class performance, written assignments, class participation, presentations and class evaluation test. In class IV alongside class assignments, monthly tests are taken at the end of each month. All assignments and tests are marked and entered in the child's personal record graph which is maintained by the respective class teacher and sent home at the end of every month along with the evaluation papers in a school folder for parents perusal and signatures.

In the continuous assessment system, a student must maintain regular attendance to ensure consistent academic growth. Irregular attendance adversely mars the academic performance of the child.

Complete teaching is done in school by using a vast variety of stimulating teaching techniques in an inter-active class environment.

Personalized attention and sensitivity towards individual differences is the hallmark of Roots School System. Only reinforcement of class work / practice sums / vocabulary hunt exercises / enhancement of word power and sentence making / labelling and colouring of drawings / handwriting practice is

PROGRAM

given as home assignment. A student must reinforce class teaching on daily basis to ensure sound academic progress. Our aim is to make the young child independent and responsible from the very beginning of his school years. Our children are self-motivated to do their work independently and are guided, encouraged and motivated by their teachers along with the support of the parents who ensure that their child is reinforcing his class concepts on daily basis. In case a child has any problem in comprehending a concept, it is revised again and again by using different approaches. Thus a child is nurtured by highly skilled hands to develop his potential to the maximum and feel the thrill of success by discovering his own dignity, worth and self-esteem.

Encouragement, motivation, personalized attention; love and affirmation are the key characteristics of our teachers. Remedial classes are held as and when required to give personalized attention to students.

Physical punishment or public humiliation is strictly forbidden in Roots.

Children are like flowers, highly fragile and we need to tender them with loving hands and caring attitude to see them blossom fully.

It is our mutual responsibility to share our anxieties. In case a child's graph is not showing satisfactory progress as per his monthly assessment, immediately initiate a meeting with the Branch Head to determine the cause as Montessori System is based on the Educational Triangle Approach where Directresses, School and Parents work collectively to enhance the potential of the child.

In the Primary years our main focus is on five main subjects i.e. English, Science, Urdu, Mathematics and ICT skills. ICT is integrated all across the curriculum. Language skills are developed on scientific lines-graded and guided so as to attain proficiency in all the four skills i.e. listening, speaking, reading and writing. A sound foundation is laid in Mathematics in the Primary Years. Islamiyat is taught along with practical examples. Science and Social Studies are taught by experimentation, practical experiences and role-playing.

EMPHASIS IN DEVELOPING READING SKILLS & STORYTELLING:

Each student is encouraged to inculcate reading habit at an early age and is issued books from the

school library on regular basis. Kindly encourage your child to develop his/her own personal library in his bedroom. This would be the most precious treasure for all his life. Join our efforts to enhance "reading skills and story writing" among our students.

PROMOTION CRITERIA (Class I-IV):

Students are promoted on the basis of their academic record throughout the year, age and ability level. Students are assessed on the basis of their class work, class assignments, assessments and an aggregate is maintained in their personal inventory and the term result is based on the overall aggregate of the student for the entire term. No formal examinations are held in these classes as emphasis is on developing their basic skills in language, mathematics, science and ICT.

CLASS V:

In class V alongside class tests, monthly assessments, two terminal exams are held at the end of each term.

MONTHLY TEST SCHEDULE:

Every month a test schedule is issued to all the students and regular assessments are recorded in the child's independent record file. Kindly ensure regular attendance of your child to attain excellence in academics.

PROMOTION CRITERIA (Class V):

A student is promoted on the basis of his/ her complete academic record i.e. class assignments, monthly sessionals, term exams and annual examination. Any student failing to achieve the pass percentage i.e. 70% is recommended to repeat the class to strengthen his/her academic base.

Peace Education:

"Sharing is the essence of human relationship", is the hallmark of roots philosophy as it is the most important value of life. From this value emerge all other values, which contribute towards a culture of peace, non-violence and tolerance. We believe it is in

the early years that the foundation of peace, tolerance, solidarity and selflessness can be inculcated, as it is the base, the foundation upon which the edifice of life is erected. Its materials, its strength, its ingredients provide for the solidity of

the personality that emerges. School education thus becomes the stepping-stone to greater things in life as education is the process of lifetime begun in school but not concluded there.

Roots has launched a variety of new educational approaches in the field of education to increase understanding, to respect and diminish stereotyping, ignorance, bias and misunderstanding within and between cultures through communication and future thinking. Our students are pioneer members of UNESCO ASPnet Schools worldwide and are actively engaged in promoting Pakistan and its culture to the children of the world through the UNESCO ASPnet forum. Roots School System is the recipient of the prestigious International UNESCO Peace Pillar Award for promoting cultural understanding among the children of the world.

ROOTS SCHOOL SUPPORT SYSTEM:

At Roots we take complete responsibility for our students developmental needs, be it academics or general behaviour. We have an inbuilt reinforcement period (R.A) in which the students are required to reinforce the class work under the supervision of the class teacher. We do not use the word "home work"; instead we use the word reinforcement activity. Every day the last period is the R.A period (reinforcement activity period), in which we reinforce the concepts taught in school. Every student is given individual attention and help as per his/her requirement.

Follow up and reinforcement activities of the concepts taught in the class are reinforced in the R.A. period are sent home for the child to further reinforce the taught concept independently, and to facilitate learning and understanding. Parents are requested to cooperate with us in monitoring/supervising that the students complete the given assignment independently. This little cooperation would strongly enhance the progress of your child.



ROOTS LOWER SECONDARY

AT ROOTS CHARACTER
IS THE REAL FOUNDATION
OF ALL
WORTHWHILE
SUCCESS

