

# Explore the World

## Environmental Studies

Book  
2



**Scribbling page**

# Introduction

---

Millat Foundation for Educational Research and Development (MFERD) is an organization conceived with the vision of providing a common platform for the networking, co-ordination, collaboration and co-operation among Muslim educational institutions, thereby complementing the efforts of individuals and organizations in achieving excellence in education within the boundaries of Islamic Shariah. MFERD aims to address the various challenges faced by these institutions and find solutions through research and development.

One of its major program is to design a value based curriculum for school to nurture and culture our future generations with excellence.

Curriculum is the sum total of all learning experience a child undergoes including academics, activities, learning environment, assessment and interaction with teachers, students, parents all together from the moment a child walks in the school until he/she steps out.

After years of research in child psychology, education from Islamic perspective, and review of various curricula, a value based curriculum has been designed in accordance with National Curriculum Framework and International standards to focus on all round development of the children so that they identify their identity, realize the need and become leaders of tomorrow.

This curriculum is comprised of:

- ⇒ **Objectives** - as per Islam psychology, education and stakeholders
- ⇒ **Syllabus** - as per age group and government standards
- ⇒ **Methodology** - child centric and appropriate to the subject and objectives
- ⇒ **Resources** - including teacher training, teaching aids manuals and more
- ⇒ **Assessment** - formative, summative, self, co-scholastic, behavioral and long term
- ⇒ **Activities** - curricular, co-curricular and extra curricular with guidelines for events
- ⇒ **Scheduling** - calendar, day-year plans, workload, period split and competitions
- ⇒ **Observation** - feedback and research

Central Academic Development department has been setup to plan, train and monitor the implementation of this curriculum in various schools at all the levels.

# Preface

---

Explore the world Environmental studies is an integrated book of science and social studies. It is based on the methodology of 'Learning by Doing'. Children at this age need to explore the world around them. They need to comprehend What's being taught, What's happening around, What's expected of them; take clues from it and understand on their own.

Greater the understanding of the details, greater the child will appreciate Islam. Science coexisted, infact flourished in the Islamic era. Islam teaches mankind to observe and learn from the nature. This book prepares young minds to appreciate the importance of environment in a holistic manner, to get them familiarized with the surrounding and to view it with a sense of care and responsibility. It imbibes in children the values of love and respect for nature and its laws.

The Alif Laam Meem Series aims at promoting this idea among the mankind. It also aims at training the learners to locate and comprehend the relationship between the natural, social and cultural environment to develop an understanding based on observations drawn from life experience.

The language is simple, clear and within the comprehension of the students. There is an attempt towards building up a scientific aptitude and temperament in the learners. Besides making them realize the existence of Allah and His creations, this book teaches them to be thankful to Allah for all His bounties, refrain from inhumane acts and to develop reasoning that leads to the correct path destined for us.

The salient feature of the book:

- ❖ Introduction of the lesson through motivational activities.
- ❖ Group discussion to break the monotony of the class and to develop interpersonal skills
- ❖ Arouse curiosity among the children through various interactive and interesting activities.
- ❖ Promote independent work.
- ❖ Quranic verses and Hadees: To prove the laws of nature laid by Allah.
- ❖ You will learn about: Gives an idea of what the child will learn from each lesson.
- ❖ Quick Look : Recapitulation made easy with keywords and quick look.
- ❖ Science corner: Learning by doing to develop observation data collection and inferential skills.
- ❖ Arts in science: Develop aesthetic values and to make learning a joyful experience.
- ❖ Math in science: To develop reasoning and logical thinking.
- ❖ Writing in science: To develop and encourage students for scientific writing.
- ❖ Take home activity: Activities given to make the child apply his knowledge in day to day life and promote independent work.

We strive to keep our standards high and continually improve the Alif Laam Meem Series based on your feedback and our research. Therefore, we request you to kindly send in your valuable suggestions to us and help this mission be successful.

We wish and pray for the wide spread use of this syllabus and inspire other experienced hands to come forward and do such work or better.

# Excerpts from National Curriculum Framework 2005

## An overall summary of the National Curriculum Framework 2005

The fact that learning has become a source of burden and stress on children and their parents is an evidence of a deep distortion in educational aims and quality. To correct this distortion, the present NCF proposes five guiding principles for curriculum development

- (i) connecting knowledge to life outside the school;
- (ii) ensuring that learning shifts away from rote methods;
- (iii) enriching the curriculum so that it goes beyond textbooks;
- (iv) making examinations more flexible and integrating them with classroom life; and
- (v) nurturing an over-riding identity informed by caring concerns within the democratic polity of the country

## National Curriculum Framework 2005 on the perspective of education

Education must be able to promote values that foster peace, humaneness and tolerance in a multicultural society.

The National Curriculum Frame document seeks to provide a framework within which teachers and schools can choose and plan experiences that they think children should have. In order to realize educational objectives, the curriculum should be conceptualized as a structure that articulates required experiences. For this, it should address some basic questions:

- (i) What educational purposes should the schools seek to achieve?
- (ii) What educational experiences can be provided that are likely to achieve these purposes?
- (iii) How can these educational experiences be meaningfully organized?
- (iv) How do we ensure that these educational purposes are indeed being accomplished?

## National Curriculum Framework 2005 on the Guiding Principles of education

Children acquire varied skills naturally while growing up in their environment. They also observe life and the world around them. When imported into classrooms, their questions and queries can enrich the curriculum and make it more creative. Such reforms will also facilitate the practice of the widely acknowledged curricular principles of moving from 'known to unknown', from 'concrete to abstract', and from 'local to global'.

*The MFERD books are designed to adhere to the guiding principles laid down in the National Curriculum Framework 2005. We want the followers/students to abide and fulfill the educational objectives framed by the NCF so that they not only become honest and faithful citizens but also to be a part of the ever growing global world and economy. We sincerely believe that by following this curriculum the students will develop their personality which will be a beacon of light for others to reflect and ponder and be like one.*

*For MFERD's approach to address these perspectives please refer to the back cover page.*

## Contents

### Unit V

#### Community

10	Our Community Helpers	1
11	Festivals	8

### Unit VI

#### Plant World

12	Types of Plants	16
13	Uses of Plants	22

### Unit VII

#### Animal World

14	Domestic Animals	30
15	Wild Animals	35

### Unit VIII

#### Our Environment

16	Earth Our Big Home	44
17	Air Around Us	48
18	The Sun	56

## Our Community Helpers



## You will learn about

- Neighbourhood
- Community helpers
- Different occupations

## New words

hospital      policeman  
 community      religion  
 shopkeeper      celebrate  
 securityguard      festival  
 neighbourhood      Eid

Prophet Muhammed (ﷺ) said: The Mumineen are all brothers (because they all belong to the same Deen), so reconcile (create harmony) between your brothers (whenever a dispute arises). Fear Allah so that mercy may be shown to you.

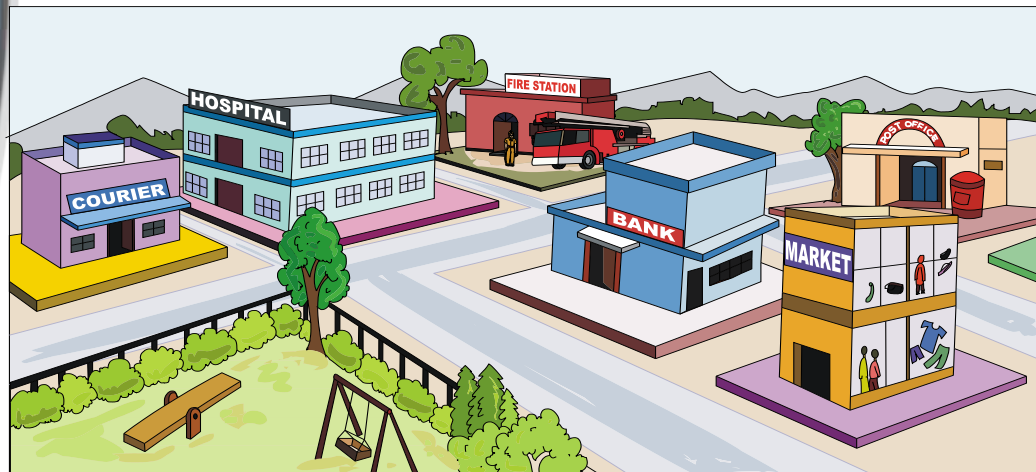
There are many houses around our house.

They are our **neighbourhood**.

People living in our neighbourhood are our **neighbours**.

Prophet Muhammed (ﷺ) said, 'He who believes in Allah and the last day should be good to his neighbour.'

Name the places you see in the picture.  
 Where do you find these places? Discuss!!!



There are also many places in our neighbourhood. In our day to day life we need help from many people. They help through their work or services. They are called **community helpers**. Different people do different kinds of work. They also earn their living through this work.

## Market

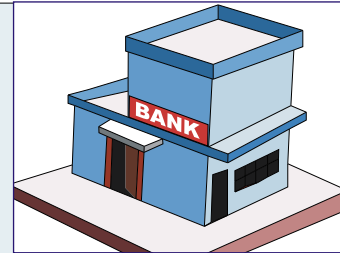
We get grocery, vegetables, fruits and other essential things in the market.

In cities there are big markets whereas in towns and villages there are small markets.



## Bank

We keep our money and valuables in the bank. The banking system was first started by Hazrat Umar (رضي الله عنه). It was based on Islamic principles.



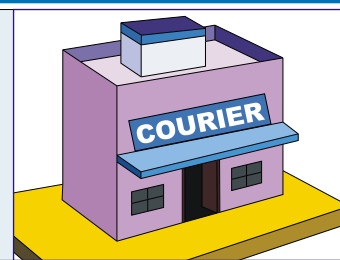
## Post office

We get stamps, post cards, inland letters, etc. in a post office. We send letters and parcels from a post office. A well organised postal system was established by Hazrat Umar (رضي الله عنه).



## Courier service

We can send and receive parcels through courier service in a much faster and reliable way. It uses aeroplanes for the delivery from one place to another.



## Fire station

We call a fire station whenever there is a fire. 101 is the helpline to call the fire station.





## Profession

Prophet Muhammed (ﷺ) said "Allah likes that believer who has adopted a profession."

The work that different people do is their **occupation** or **profession**.  
Some of the following occupations are



### Doctor

A doctor treats sick people. He works in a hospital.



### Teacher

A teacher teaches. She works in a school.



### Aalim

An Aalim teaches us Quran and Hadeeth.



### Muazzin

A Muazzin calls for prayers.



### Lawyer

A lawyer fights cases in the court.



### Nurse

A nurse takes care of patients.



### Policeman

A policeman catches thieves and protects us.



### Farmer

A farmer works in a field and grow crops.

## Some people make things

Prophet Muhammed (ﷺ) said, "No food is better to man than that which he earns through his manual work."



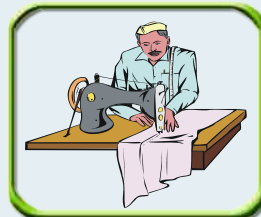
### Carpenter

A carpenter makes furniture.



### Potter

A potter makes earthen pots.



### Tailor

A tailor stitches clothes for us.



### Mason

A mason lays bricks in building a house.

## Some people repair things



### **Blacksmith**

A blacksmith makes things from iron.



### **Plumber**

A plumber fits and repairs taps and pipes.



### **Mechanic**

A motor mechanic repairs cars, buses, trucks, etc.



### **Electrician**

An electrician fits and repairs electric wires.

## Some people sell things

Prophet Muhammed (ﷺ) said, "May Allah bless the person who observes politeness and courtesy in business dealings and in demanding his money back."



### **Greengrocer**

A greengrocer sells vegetables.



### **Florist**

A florist sells flowers.



### **Chemist**

A chemist sells medicines.

Sportsman, photographer, policeman, postman, engineer, businessman are some other professions. All do different kinds of work.



### **Sportsman**



### **Photographer**



### **Engineer**



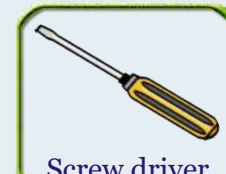
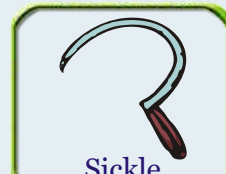
### **Businessman**

We must respect all the people engaged in different occupations and professions. They are very important for us. Allah has given special abilities to each and everyone. We should always appreciate their abilities.

**Abdullah ibn Masood (رضي الله عنه) one of the companions of Prophet Muhammed (ﷺ) said, "A person who wastes his time is not liked because he is neither involved in the work of the world nor the hereafter."**

## Activity

Look at the following items used by different people at their work place. Write their professions.



## Quick look!

- ⇒ The area around our house and nearby places together make our neighbourhood.
- ⇒ People living near our houses are our neighbours.
- ⇒ In every neighbourhood we find many services.
- ⇒ We buy various things from the shops in the neighbourhood.
- ⇒ The work a person does to earn a living is called an occupation.
- ⇒ People have different kinds of occupation.
- ⇒ We must respect all the people engaged in different occupation or professions.

## Reviewing words and concepts

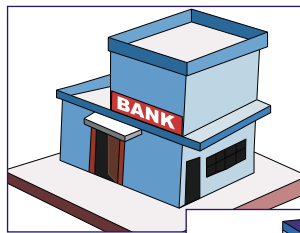
### A. Answer the following questions.

1. What is our neighbourhood?
2. Who are our neighbours?
3. What is an occupation?
4. Name some places in our neighbourhood.

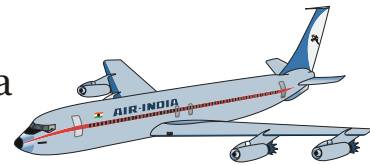


### B. Match the items to its correct place.

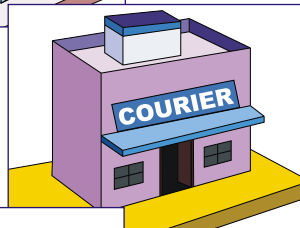
1.



( ) a



2.



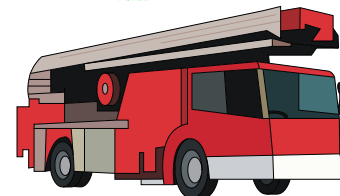
( ) b



3.



( ) c



4.



( ) d



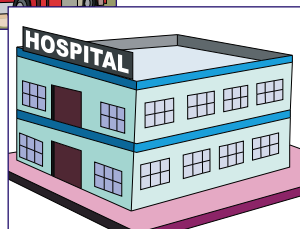
5.



( ) e



6.



( ) f



**C. Choose the correct words and complete the sentences.**

1. A potter makes \_\_\_\_\_ (furniture / pots / shoes).
2. The postman brings us \_\_\_\_\_ (milk / vegetable / letter).
3. A tailor stitches \_\_\_\_\_ (clothes / shoes / purse).
4. An architect designs our \_\_\_\_\_ (clothes / house / shoes).
5. A chemist sells \_\_\_\_\_ (medicines / flowers / fruits).

**D. Look at the pictures and name the community helpers.**

1. He delivers newspaper.

He is a \_\_\_\_\_



2. He brings us milk.

He is a \_\_\_\_\_



3. He cuts our hair.

He is a \_\_\_\_\_



4. He protects our country.

He is a \_\_\_\_\_



5. He sells meat.

He is a \_\_\_\_\_



6. He washes clothes.

He is a \_\_\_\_\_

**Writing in science**

**Write the people to whom the following persons will go to.**

1. Manaal is sick. \_\_\_\_\_
2. Rizwan wants to buy flowers. \_\_\_\_\_
3. Nameera wants to buy books and pen. \_\_\_\_\_
4. There was a robbery in Noora's house. \_\_\_\_\_
5. Rehan wants to take a family picture. \_\_\_\_\_