

**MODERN SCHOOL
CLASS-IX (2019-20)
SUBJECT-G. SCIENCE SYLLABUS**

**BOOK PRESCRIBED: NCERT
BIOLOGY**

APRIL	C-5	THE FUNDAMENTAL UNIT OF LIFE PR-TO PREPARE TEMPORARY MOUNT OF ONION PEEL AND CHEEK CELLS
MAY	C-15	THE IMPROVEMENT IN FOOD RESOURCES
JULY	C-6	TISSUES PR-TO STUDY PERMANENT SLIDES OF PARENCHYMA, COLLENCHYMA ,STRIATED MUSCLE NERVE FIBRE
AUG -		SETP REVISION
OCTOBER	C-7	DIVERSITY IN LIVING ORGANISM PR- TO STUDY AND OBSERVE CHARACTERISTICS FEATURES OF FOLLOWING SPECIMEN SPIROGYRA, FERN, ANGIOSPERMIC PLANT, PINUS AND AGARICUS PR- TO STUDY AND OBSERVE CHARACTERISTICS FEATURES OF COCKROACH, FISH, BIRD, EARTHWORM
NOVEMBER	CH-13	WHY DO WE FALL ILL
DECEMBER	CH-14	NATURAL RESOURCES PR- TO STUDY EXTERNAL FEATURES OF MONOCOT AND DICOT PLANT
PT1	- CH-5	
PT2	- CH-15	
PT3	- CH-7	

HALF YEARLY EXAM- CH-5,6,15

ANNUAL EXAM- WHOLE SYLLABUS

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CHEMISTRY

APRIL	CH-1	MATTER IN OUR SURROUNDING PR1- TO DETERMINE MELTING POINT AND BOILING POINT OF WATER.
MAY	CH-2	IS MATTER AROUND US PURE (UPTO COLLOIDS) PR2- TO PREPARE A TRUE SOLUTION OF COMMON SALT, SUGAR AND ALUM TO PREPARE SUSPENSION OF SOIL, CHALK POWDER AND SAND TO PREPARE COLLOIDAL SOLUTION OF STARCH IN WATER AND EGG ALBUMIN IN WATER AND DISTINGUISH BETWEEN THESE ON THE BASIS OF TRANSPARANCY, FILTRATION, STABILITY
JULY	CH-2	IS MATTER AROUND US PURE (SEPARATION OF SUBSTANCE) PR3- TO PREPARE MIXTURE AND COMPOUND USING IRON FILLING AND SULPHUR POWDER PR4- TO CARRY OUT THE FOLLOWING REACTIONS A) IRON WITH COPPER SULPHATE SOL IN WATER B) BURNING OF MAGNESIUM IN AIR C) ZINC WITH DIL SULPHURIC ACID D) EFFECT OF HEAT PR5- TO SEPARATE THE COMPONENTS OF A MIX OF SAND, COMMON SALT AND AMMONIUM CHLORIDE.
AUGUST		REVISION
OCTOBER	CH-3	ATOM AND MOLECULES PR6- TO PROVE THE LAW OF CONSERVATION OF MASS
NOVEMBER	CH-3	ATOM AND MOLECULES
DECEMBER	CH-4	STRUCTURE OF ATOM PT1- CH-1 PT2- CH-2 <u>HALF YEARLY EXAM-- CH-1,2</u> PT3- CH-3

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PHYSICS

MONTH	NAME OF THE CHAPTER
APRIL	C-8 MOTION
MAY + JULY	C-9 FORCE & LAWS OF MOTION
JULY + AUG	C-10 GRAVITATION PR1 To determine (i) density of a solid using spring balance & a measuring cylinder (ii)relation between the loss in weight of solid fully immersed in: tap water, Strongly salt water; With the weight displaced by it
OCT	C-11 WORK, POWER & ENERGY
NOV + DEC	C-12 SOUND PR2 (i)To verify laws of reflection of sound (ii)To determine velocity of pulse propagated through a stretched string/slinky

PT1- CH-8

PT2- CH-9

HALF YEARLY EXAM- CH-8,9,10

PT3- CH-11

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