ST.XAVIER'S SCHOOL, DORANDA, RANCHI – 834002 SYLLABUS OF STD. 9 FOR THE SESSION 2020-2021

<u>SUBJECT</u>	TOPIC
ENGLISH – I	Complete syllabus of class VIII Third Term
ENGLISH – II	1 MERCHANT OF VENICE. ACT. 1 Prose The Old Man at the Bridge The Angel in Disguise Poetry 1 The Heart of the Tree
MATHS	2 The Cold Within
Physics	Indices, Logarithm ,trigonometry Measurement and Experiment, Motion in one Dimension, Reflection of Light
Chemistry	Water, Periodic Table, Pollution, Chemical Bonding
Biology	Cell- The unit of life (already taught) Diseases: Cause and Control (already taught) Hygiene (already taught) Economic Importance of Bacteria and Fungi (already taught) Tissues Nutrition Digestive System Skeleton System: Movement and Locomotion Aids to Health Health Organisations
History/ CIVICS	<u>Civics</u> Our Constitution ,Elections <u>History</u> The Harappan Civilisation,The Vedic Period ,The Renaissance
GEOGRAPHY	 Earth as a planet- Shape of the Earth, earth as a home of humankind and the conditions that exist. Geographical grid - Concept of latitudes, main latitudes, their location with degrees, parallels of latitude and their uses, concept of longitudes, main longitudes, local and standard time, time zone, locating places, calculation of

time, great circles and their use.
3) Rotation and revolution - direction, speed and effects of rotation and
revolution.
4) Earth's structure - The layers, extent and their composition.
5) Landforms of the Earth- mountains, plateaus and plains, their types and
formation.
6) Rocks - difference between rocks and minerals, their types, characteristics
and formation, rock cycle.
7) Volcanoes - meaning, types, effects and important volcanic zones of the world.
8) Earthquake - meaning, causes, measurement, effects and earthquake zones
of the world.
9) Weathering and denudation - meaning, types and effects. Erosional work of
river and wind.
10) Map work - Location map of the world, mountains and plateaus of the
world.
Introduction to Java OOP: Elementary concepts of objects and
classes. Class as a specification for objects and as an object
factory.
Values and types: Primitive types (like int, float, Boolean etc.)
and their representation and ranges. Operation on Primitive values
expressions, assignment, attributes. Decision making statements jumping and branching, various forms
of ifelse, ifelse., switchcase, Use of ternary operators,
Ethical Issues in computing : intellectual property ights,
protection of individual rights to privacy, data protection on the
internet, protection against spam, software piracy, cyber crime,
hacking, protection against malicious intent and malicious code.

<u>Hindi</u>

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Section A (40 Marks)
(1) भाषा- सरस हिंदी व्याकरण :-

क-प्रस्तावना- 1-10

स-वित्र- लेसन-1-8

ग-पत्र- क-औपचारिक-1-3 ख-अनीपचारिक-14-18

घ- भाव ग्रहण - 1-3

ड.-व्यावहारिक व्याकरण

Section B(40 Marks)
(2) साहित्य

गद्य

क-वात अठन्नी की

ख-काकी

पद्य

क-साखी
ख-गिरिधर की कुण्डलियाँ
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