

CLASS – VII
CONSOLIDATED LESSON PLAN
CHAPTER- 2 INSIDE OUR EARTH (GEOGRAPHY)
SESSION :2019-20

Unit	Ch – 2 Inside Our Earth
Class Transaction	Total: 4 periods (approx. 40 min each)
Pre-requisite for the course	K- The students are aware of the four major realms – Lithosphere, Hydrosphere, Atmosphere and Biosphere. W- The solid part of the earth is – Lithosphere – Is the whole earth like that inside out? L – The students will learn the three layers of the earth and the rock cycle.
Assessment of qualifying knowledge	1. Written test 2. Group Discussion 3. UT Plans
Objective	•
Learning Outcomes	<u>KNOWLEDGE- Students will be able to –</u> • Explain the layered structure of the Earth. • Draw and label the diagram of Earth's layers • State the names of different types of rocks and list their uses • Differentiate between types of rocks by referring to their properties and methods of formation • Arrange the steps involved in the formation of rock in a sequential manner <u>SKILLS and COMPETENCIES-</u> • Critical Thinking – the learner will be able to reason effectively and explain the formation of different rock
Transaction Methodology (The teacher can use the mentioned techniques, wherever applicable, and can use any other too.)	Transaction would proceed in the following manner DOL 1,2,3 Active Learning, Student teacher interaction, collaborative learning, GOs, (Web charts, Flow Charts and differentiation table, compare-contrast matrix), silent /loud reading ,collaborative learning. • Topic: Layers of the Earth (Competencies – Critical Thinking and creativity) The curiosity will be built in the learner by narrating a brief story of the formation of the earth. Various examples can be quoted to explain the layered structure of the earth. Ppt will be shown for the relevant topic. Hands on – make a clay dough model of the layers of the earth. • Topic: Types of rocks (Competencies – Critical Thinking) The learners will be shown the various rocks being formed by a ppt Hands on - The formation of the rocks will be enhanced by demonstrating the steps with the help of chocolate activity. • Topic: Rocks and Minerals (Competencies – Collaboration) The learners will discuss in groups and bring out the uses of the rocks and minerals. <i>Guided practice followed by Independent Practice-</i> NCERT questions to be discussed in the classroom.

	Techniques to be used: Quiz Explanation with the help of diagram Flow Chart MCQ Peer Assessment Any Other
Resources	Text Book: NCERT text book
Self Study, Home Work, Assignments	Independent Practice: Students would do the questions in their H.W notebooks as mentioned in the monthly planner. HW notebooks to be marked as per the given plan: <i>Assessment Parameters:</i> The total marks for the activity is 5 marks On time submission.....1 mark Presentation/ Neatness.....1 mark Content.....3 marks FA activities to be assessed as per the following format: <i>Individual Activity:</i> Assessment Parameters: The total marks for the activity is 20 marks Lab/Work Ethics..... 5 marks Performance of task.....5 marks Record/Viva.....5 marks <i>Group activity:</i> Assessment Parameters: The total marks for the activity is 20 marks Lab/Work Ethics..... 5 marks Performance of task.....3 marks Record/Viva.....5 marks Group Dynamics/ Project work.....2 marks It is also advised that the students come to the class with proper background knowledge of the topic under discussion. They can refer to the resources stated above.
Assessments	4 UNIT TESTS (critical thinking)5-7 Marks each HALF YEARLY EXAMINATION (critical thinking) 20 Marks ANNUAL EXAMINATION (critical thinking) 20 Marks INTERNAL ASSESSMENT 20 Marks • Subject Enrichment Activity 10 Marks (creativity and collaboration) • Note Book Submission 05 Marks + HW Notebook 05 marks Through various test students critical thinking, creativity and collaboration skills will be enhanced.

Addressing Classroom Diversity	Due to various social backgrounds and multiple intelligences, the classroom might be a diverse arena. The following techniques can be used for various groups: <i>For gifted students:</i> • Encouragement for referring other resources • HOTS questions to be given <i>For weak students:</i> • Buddy help to be provided • Provide grade-up classes • Knowledge based questions to be given <i>For differently abled students:</i> • Ignore spelling mistakes and formulae, if not written • Call parents at regular intervals • Provide grade-up classes
Marks	The weightage would be given by CBSE.
Assessment Questions	1. Name the three layers of the earth 2. Which layer forms the largest part of the earth's volume? 3. Differentiate between intrusive and extrusive rocks. 4. Name the rocks that may contain fossils. 5. Give four uses of minerals

CLASS – VII
DAY WISE LESSON PLAN
CHAPTER-2 INSIDE OUR EARTH (GEOGRAPHY)
SESSION :2019-20

Unit	Ch – 2 Inside Our Earth
Class Transaction	Total Periods required:4 (40 MIN APPROX) Components of Environment
Pre-requisite for the course	The four realms of the earth as studied in the previous class.
Day	ONE
Objective	Student will be able to: • Explain the layered structure of the Earth.
Assessment of qualifying knowledge	What do you know about Lithosphere? What is the Lithosphere made up of?
Learning Outcomes	<u>KNOWLEDGE</u>- <i>Students will be able to explain -</i> 1. Internal layered structure of the Earth

	2. Features of crust, mantle and core. <u>SKILLS</u>- Students will gain the following skills: Listing , observation, classification, diagram, contrast, & interpretation skill <u>COMPETENCIES</u>- Students will develop – Critical Thinking –Learner will reason effectively the formation of various rock structures.
Transaction Methodology (The teacher can use the mentioned techniques, wherever applicable, and can use any other too.) Facilitation	Transaction would proceed in the following manner- (25 min) • Set induction • A short introduction to how earth was made • <i>Introduction of the topic- through a presentation.</i> Closure- 5 min Summarization of the day that is learned by the students based on the topic.
Resources (day 1)	• Text Book: NCERT • Presentation based on the chapter
Self Study, Home Work, Assignments (day 1)	<u>ASSIGNMENT</u> Draw a well labelled diagrams to depict (i) Interior of the earth (ii)continental and oceanic shelf
Assessment of qualifying knowledge	Oral questions to be asked - • Name the three layers of the earth. • Which is the outermost layer? • Which is the innermost layer? • How do we know that interior of the earth has molten rocks?
Addressing Classroom Diversity	Due to various social backgrounds and multiple intelligences, the classroom might be a diverse arena. The following techniques can be used for various groups: <i>For gifted students:</i> • Encouragement for referring other resources <i>For weak students:</i> • Buddy help to be provided <i>For differently abled students:</i> • Provide grade-up classes

Unit	Ch – 2 Inside Our Earth
Class Transaction	Day 2 Total Periods required:4 (40 MIN APPROX) Layers of earth
Pre-requisite for the course	Layers of the earth
day	Two
Assessment of qualifying knowledge	Name the three layers of the earth. Explain briefly two important features of each.
Objective	Differentiate between types of rocks by referring to their properties and methods of formation
Learning Outcomes	<u>KNOWLEDGE</u>- <i>Students will know and understand</i> - Recapitulation-based on the previous day's 1 - Rocks and Minerals - Igneous Rocks - Sedimentary Rocks - Metamorphic Rocks <u>SKILLS</u>- <i>Students would be able to</i> <i>Differentiate between the different types of rocks and understand the way in which they must have been formed.</i>
Transaction Methodology (The teacher can use the mentioned techniques, wherever applicable, and can use any other too.) Facilitation	Transaction would proceed in the following manner- (25 min) Tabular chart of the layers of the earth will be flashed and explained. The students will write simultaneously in the worksheets. Techniques to be used: pictures and questions based on the Ppt DOL – 1,2 Identification of the components of Earth. Approaches- the facilitator should apply some or all the approaches Closure- 5 min Summarization of the day that is learned by the students based on the topic.
Resources	- Text Book: NCERT - Presentation based on the chapter
Self Study, Home Work, Assignments	NCERT questions

Addressing Classroom Diversity	Due to various social backgrounds and multiple intelligences, the classroom might be a diverse arena. The following techniques can be used for various groups: <i>For gifted students:</i> • Encouragement for referring other resources <i>For weak students:</i> • Share digital content with them <i>For differently abled students:</i> • Provide questions based on photographs of natural environment.
Marks	The weightage would be given by CBSE.

Unit	Ch. 2 Inside our Earth
Class Transaction	Day 3 – Rocks and Minerals (40 MIN APPROX)
Pre-requisite for the course	Basic awareness of what is going on around us and components of environment
Day	Three
Assessment of qualifying knowledge	Types of Rocks – Igneous, Sedimentary and Metamorphic
Objective	List the types of rocks and their uses.
Learning Outcomes	<u>KNOWLEDGE-</u> • Recapitulation-based on the previous day's learning • Rock cycle and minerals • Closure by students

	• Assignment- Spiral level 2 questions <u>SKILLS-</u> Students would be able to <i>Appreciate the process of formation of rocks and the value of different types of rocks.</i>
Transaction Methodology (The teacher can use the mentioned techniques, wherever applicable, and can use any other too.) Facilitation	Transaction would proceed in the following manner- (25 min) <i>Brain Storming-</i>The class would start with a discussion the daily problems that we face in human environment <i>Introduction of the topic-</i> Digital Content would be shared based on the problems created by human beings and the solutions around the world <i>Guided practice followed by Independent Practice-</i> NCERT questions to be discussed in the classroom. Techniques to be used: questions based on the video DOL – 1,2 Identification of the components of human environment Approaches- the facilitator should apply some or all the approaches Closure- 5 min Summarization of the day that is learned by the students based on the topic.
Resources	• Text Book: NCERT • Presentation based on the chapter
Self Study, Home Work, Assignments	Independent Practice: Students would do the questions in their H.W notebooks as mentioned in the monthly planner. (5 min) It is also advised that the students come to the class with proper background knowledge of the topic under discussion. They can refer to the resources stated above.
Addressing Classroom Diversity	Due to various social backgrounds and multiple intelligences, the classroom might be a diverse arena. The following techniques can be used for various groups: <i>For gifted students:</i> • Encouragement for looking out of the solutions and what can be applied around us <i>For weak students:</i>

	• Buddy help to be provided <i>For differently abled students:</i> • Provide grade-up classes
Marks	The weightage would be given by CBSE.