

## **PRACTICUM-2 (TOPIC-1)**

### **Title of Practicum :-**

*Report on Preparing a Lesson Plan using Internet Resources*

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### **Topic Chosen (WBBSE ):**

*Subject-Science*

*Class-IX*

*Topic- Structure of Atom*

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### **Method Used:**

*Lecture-cum-Demonstration with ICT Integration*

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### **Steps in Preparing Lesson Plan using Internet Resources**

#### **1. Navigating and Searching**

- Used **Google Search** with keywords: “*Structure of Atom lesson plan class 9 CBSE/WBBSE*”.
- Visited reliable sources like **NCERT e-resources, Byju’s, Khan Academy, and NIOS.**

## **2. Selecting Material**

- *Selected materials with **clear diagrams (Bohr's model, Rutherford's experiment)**.*
- *Preferred resources with authentic references (educational websites, .org/.edu domains).*

## **3. Saving and Organizing**

- *Bookmarked Khan Academy's atomic model video.*
- *Downloaded diagrams from NCERT PDF.*
- *Saved a PowerPoint template with labeled atomic structures.*

## **4. Evaluating Authenticity**

- *Cross-checked facts from NCERT and WBBSE textbooks.*
- *Verified diagrams with multiple sources.*
- *Avoided user-generated content without citations.*

## **5. Lesson Plan Development**

### ***General Objectives***

- 1. To develop scientific understanding among students.*
- 2. To integrate ICT in learning atomic structure.*

## *Specific Objectives*

*By the end of the lesson, students will be able to:*

- Explain Dalton's Atomic Theory in brief.*
- Describe Rutherford's Model.*
- Explain Bohr's Atomic Model.*
- Draw and label structure of an atom.*

## *Teaching Aids*

- Smart Board / Projector*
- PowerPoint Presentation (atomic models)*
- Short Video (Rutherford's experiment animation)*
- Camcorder (to record lesson for ICT material)*

## *Presentation of the Lesson*

<b>Steps</b>	<b>Teacher's Activity</b>	<b>Students' Activity</b>	<b>Evaluation</b>
<i>Introduction</i>	<i>Shows a video of Rutherford's Gold Foil Experiment. Asks: "What do you think atoms are made of?"</i>	<i>Students share prior knowledge.</i>	<i>Teacher notes responses.</i>
<i>Presentation</i>	<i>Explains</i>	<i>Students</i>	<i>Oral</i>

	<i>Dalton, Rutherford, and Bohr models using <b>PPT and diagrams.</b></i>	<i>observe, take notes, and ask questions.</i>	<i>questioning.</i>
<i>Illustration</i>	<i>Draws Bohr's model of atom on Smart Board.</i>	<i>Students copy in notebooks.</i>	<i>Diagram check.</i>
<i>Activity</i>	<i>Group task: Compare Dalton's and Bohr's model — write two differences.</i>	<i>Group discussion.</i>	<i>Group presentations evaluated.</i>
<i>Summary</i>	<i>Recaps key points using keywords.</i>	<i>Students repeat keywords.</i>	<i>Quick oral quiz.</i>
<i>Homework</i>	<i>Draw atomic structure of Helium (Bohr's Model).</i>	<i>Students write.</i>	<i>Checked next class.</i>

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## Observations

- *Internet resources provided animated explanations that enhanced understanding.*
  - *PPT and videos made abstract concepts (like nucleus and electrons) easier to visualize.*
  - *Students were more engaged in group discussions with ICT support.*
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## **Conclusion**

*This practicum helped me prepare an ICT-integrated lesson plan on Structure of Atom. By using internet resources effectively (searching, selecting, and validating), I created a meaningful, interactive, and authentic learning experience.*

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## **Signatures**

- **Student's Signature:** \_\_\_\_\_
  - **Supervisor's Signature:** \_\_\_\_\_
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