



Westside High School Lesson Plan Template

Teacher Name	Mr. Jie	Unit Name	Introductions and safety
Course	PreAP Chemistry	Dates	8/22 – 8/26

Monday	<p>Daily Objective: Students will be informed about the expectations for PreAP chemistry and given the time to ask clarifying questions about the overall goal of the class.</p> <p>Agenda with Approximate Time Limits: Introduction to the class Expectations Q&A about class</p> <p>Follow-Up/Homework: Complete the student information and syllabus acknowledgement</p>
Tuesday	<p>Daily Objective: Students will identify various safety equipment in the lab Students will interpret NFPA labels to identify potential hazards Students will identify hazards of various chemicals in the lab based on hazard symbols and MSDS Students will be familiar with disposal methods and incident response</p> <p>Agenda with Approximate Time Limits:</p> <ul style="list-style-type: none">• Recap of previous class and check in for completed syllabus acknowledgement [5min]• Safety presentation [20 min]• Students identify safety equipment [10 min]• Students analyze various scenarios regarding lab safety [10 min]• Closing on safety [5min] <p>Formative Assessment: Cold call on various situations in the lab</p> <p>Intervention: Tutorials as needed</p> <p>Extension: Students will look for NFPA labels that they may have seen in their daily lives and identify potential hazards</p> <p>Follow-Up/Homework: Students will complete the safety contract acknowledgement</p>



Westside High School Lesson Plan Template

Wednesday/Thursday	<p>Daily Objective: Students will create a lab safety poster by focusing on a specific rule in the lab. Students will identify key terms with regards to lab safety and contribute to the classroom Word Wall</p> <p>Agenda with Approximate Time Limits: Follow up on completion of syllabus acknowledgement and safety contract acknowledgement. [5 minutes] Give details on safety poster expectations [5 minutes] Students create safety posters [60 minutes] Students create word wall items on safety and equipment [15 minutes]</p> <p>Formative Assessment: Check in with students working to ask about the importance of their rule</p> <p>Intervention: Available tutorials, group work, and Special Ed and 504 accommodations.</p> <p>Extension: Students who finish early will be asked to work on safety match activity.</p> <p>Follow-Up/Homework: N/A</p>
Friday	<p>Daily Objective: Students will review for their lab safety test Students will be prepared to score a 90% or higher on their safety exam.</p> <p>Agenda with Approximate Time Limits: Do now [5 minutes] Follow up on assignments to complete [5 minutes] Review of safety [40 minutes]</p> <p>Formative Assessment:</p> <p>Intervention: available tutorials, Special Ed and 504 accommodations.</p> <p>Extension: students come up with scenarios and another student will try to determine the proper procedure to handle the scenario.</p> <p>Follow-Up/Homework: Safety exam on 8/29</p>



Westside High School Lesson Plan Template

Teacher Name	Mr. Jie	Unit Name	Safety and Measurement
Course	PreAP Chemistry	Dates	8/29 – 9/2

Monday	<p>Daily Objective: Students will show clear understanding of safety equipment, procedures, and behaviors on the safety exam.</p> <p>Agenda with Approximate Time Limits: Exam expectations [5 minutes] Exam [30 minutes] Dry run of lab seating procedures [10 minutes]</p> <p>Formative assessment: N/A</p> <p>Intervention: Retakes are available</p> <p>Follow-Up/Homework: Students will know the procedure to get to the lab the next day.</p>
Tuesday	<p>Daily Objective: Students will identify various lab equipment to make measurements of liquids Students will measure the same volume of liquids using different types of equipment to determine the best instruments to use for measuring volume by using their certainty in their measurements.</p> <p>Agenda with Approximate Time Limits:</p> <ul style="list-style-type: none">• Do now [5 minutes]• Lab on certainty of measurement [40 minutes]• Closing [5 minutes] <p>Formative Assessment: Ask probing questions to groups completing the lab to check their understanding.</p> <p>Intervention: Tutorials as needed</p> <p>Extension: what other tools could be used to measure volume, would they be better? Such as using a volumetric flask, why would it be or not be practical for measuring volume?</p> <p>Follow-Up/Homework: N/A</p>



Westside High School Lesson Plan Template

Wednesday/Thursday	<p>Daily Objective: Students will be able to convert units in base 10 such as meters to kilometers and meters to centimeters Students will be able to convert units of time using conversion factors Students will be able to convert units of volume in metric to English measurements Students will compare different rulers to determine the most accurate one and explain why.</p> <p>Agenda with Approximate Time Limits: Do now [5 minutes] Ruler measurement mini lab [20 minutes] Conversion lesson [30 minutes] Guided practice [20 minutes] Exit ticket [5 minutes]</p> <p>Formative Assessment: Probing questions are added in the middle of the lesson after each type of conversion is reviewed An exit ticket will be given</p> <p>Intervention: Available tutorials</p> <p>Extension: in mini lab students are given printed out rulers with different measurement increments. They can use a plastic or any other manufactured ruler to compare accuracy and explain why one may be more accurate.</p> <p>Follow-Up/Homework: N/A</p>
Friday	<p>Daily Objective: Students will independently practice converting various units in base 10 and from metric to English</p> <p>Agenda with Approximate Time Limits: Do now [5 minutes] Independent practice [20 minutes] Review of selected problems*[10 minutes] Debrief on most challenging type of problems [5 minutes]</p> <p>Formative Assessment:</p> <p>Intervention: available tutorials, most challenging problems will be reviewed in class this depends on class performance and predicted student misunderstandings.</p> <p>Extension: Conversion of other units or conversion of units with two units such as speed (m/s) to meters only</p>



Westside High School Lesson Plan Template

	Follow-Up/Homework: N/A
--	-----------------------------------