Westside High School Lesson Plan Template

Teacher Name	Mr. Jie	Unit Name	States of Matter
Course	PreAP Chemistry	Dates	Sept 19 – Sept 23

Monday	**Daily Objective:** Students will understand that the modeling of solid, liquid, gas by particle diagrams. **Agenda with Approximate Time Limits:** • Summarize Lesson 1.4 [15 minutes] • Lesson 1.2 gas part [15 minutes] • Application part of Lesson 1.2 [15 minutes] **Formative Assessment:** Application part of Lesson 1.2 **Intervention:** Tutorials as needed **Extension:** Whole group debrief about the mirror fogging **Follow-Up/Homework:** N/A
Tuesday	**Daily Objective:** Students will be able to perform calculation about Density. **Agenda with Approximate Time Limits:** • Do now [5min] • Review with guided questions [15 minutes] • Class practice and group discussion [30 minutes] **Formative Assessment:** Students contribute to the solutions in the guided questions **Intervention:** Tutorials as needed **Extension:** Students will practice calculation based on mass vs volume plots. **Follow-Up/Homework:** N/A

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Wednesday/Thursday	**Daily Objective:** Students will show mastery of modeling and Density of matter. **Agenda with Approximate Time Limits:** Students join Teachers course on CollegeBoard [5 minutes] Students take the 1st checkpoint test on CollegeBoard [45 minutes] Discussion about the questions from the 1st checkpoint **Formative Assessment:** test **Intervention:** Available tutorials, group work, and Special Ed and 504 accommodations. **Extension:** N/A. **Follow-Up/Homework:** N/A
Friday	**Daily Objective:** Students will be able to using particle diagram modeling to explain phenomena Students will be able to perform caculation about Density based on data table, plots or numbers provided. **Agenda with Approximate Time Limits:** Review and Classwork practice [45 minutes] **Formative Assessment:** Exit ticket. **Intervention:** available tutorials, Special Ed and 504 accommodations. **Extension:** N/A.. **Follow-Up/Homework:** N/A

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Teacher Name	Mr. Jie	Unit Name	Heat Transfer
Course	PreAP Chemistry	Dates	Sept 26 – Sept30

Monday	**Daily Objective:** Students will show mastery of modeling and Density of matter. **Agenda with Approximate Time Limits:** Unit Test: particle modeling and Density [45 minutes] **Formative assessment:** Test **Intervention:** available tutorials, Special Ed and 504 accommodations **Follow-Up/Homework:** N/A.
Tuesday	**Daily Objective:** Students will uncover the difference between heat and temperature and how energy is transferred from one substance to another. **Agenda with Approximate Time Limits:** • Lesson 1.5 Heat Transfer Part1: Thought Experiments. [45 minutes] **Formative Assessment:** Students write explanation of the thought experiments. **Intervention:** Tutorials as needed **Extension:** N/A **Follow-Up/Homework:** N/A .
Wednesday/Thursday	**Daily Objective:** Students will perform a simple constant-pressure calorimetry experiment and calculate the specific heat capacity. **Agenda with Approximate Time Limits:** Lesson 1.5: Heat Transfer: Part2: Specific Heat Calorimetry Lab [60 minutes] Part 3: Discussion [30 minutes] **Formative Assessment:** Data analysis. **Intervention:** available tutorials, Special Ed and 504 accommodations **Extension:** N/A.

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	Follow-Up/Homework: Students complete lab report.
Friday	**Daily Objective:** Students differentiate between heat and temperature. Students will understand that the amount of energy transferred during heating and cooling matter or changing its state is determined by the interactions among the particles that make up the matter. **Agenda with Approximate Time Limits:** Lesson 1.5 Heat Transfer Formative Assessment Classwork and discussion [45 minutes] **Formative Assessment:** Formative Assessment for Lesson 1.5 (question 1, 2, 3, 4) **Intervention:** available tutorials, Special Ed and 504 accommodations **Extension:** Mathematical model of heat transfer **Follow-Up/Homework:** N/A