**Teaching Through Problem-solving (TTP)**

**Teaching-Learning Plan**

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# *Document Instructions:*

* *All italicized text is instructional and is intended to be deleted upon completion of document.*
* *To replace the logo in the header with your school’s logo, right click the logo and select “Replace image.”*
* *To add an additional row to any table, right click anywhere in the last row and select “Insert row below.”*

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# Team Members (if applicable)

|  |
| --- |
| *Insert text here* |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Lesson Date: |  | Instructor: |  | Grade Level: |
| *mm/dd/yy* |  | *Insert text here* |  | *Insert text here* |

# i. Title of Lesson

|  |
| --- |
| *Insert text here* |

# ii. Research on the Content

## Why we chose to focus on this topic - for example, what is difficult for our students, what we noticed about student learning

## What resources we studied, and what we learned about the content and about student thinking

|  |
| --- |
| *Insert text here* |

# iii. Relationship of the Topic to the Standards

## How the learning in the topic relates to the grade-level standards.

## How the learning in the topic relates to prior standards and future standards.

|  |  |  |
| --- | --- | --- |
| **Prior learning standards that topic builds on** | **Learning standards for this topic** | **Later standards for which this topic is a foundation** |
| *Insert text here* | *Insert text here* | *Insert text here* |

# iv. Goals of the Unit *(optional)*

|  |
| --- |
| *Prompt: Students will understand/know what/...and thus be able to...* |

# v. Unit Plan *(optional)*

## The lesson sequence of the unit, with the task and learning goal of each lesson. The asterisk (\*) shows the TTP lesson

|  |  |
| --- | --- |
| **Lesson** | **Learning goal(s) and tasks** |
| **1** | ***Lesson Goal:*** *Insert text here* ***Task:*** *Insert text here* |
| **2** | ***Lesson Goal:*** *Insert text here****Task:*** *Insert text here* |
| **3** | ***Lesson Goal:*** *Insert text here****Task:*** *Insert text here* |
| **4** | ***Lesson Goal:*** *Insert text here****Task:*** *Insert text here* |

# vi. Goals of the TTP Lesson

|  |
| --- |
| *Prompt: Students will understand/know that/appreciate...* |

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# vii. Rationale for the Design of Instruction

## Why the lesson (and Unit, if applicable) are designed as they are - for example, what aspects of Teaching Through Problem-solving (TTP) are you developing for students and why?

|  |
| --- |
| *Insert text here* |

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# viii. TTP Lesson Plan

|  |  |  |
| --- | --- | --- |
| Learning task and activities, anticipated student responses, key questions or comparisons that will build insights | Teacher Support | Assessment (Points to Notice) |
| ***Introduction***  *Insert text here* | *Insert text here* | *Insert text here* |
| ***Posing the Task***  *Insert text here* | *Insert text here* | *Insert text here* |
| ***Anticipated Student Responses***  *Insert text here* | *Insert text here* | *Insert text here* |
| ***Comparing and Discussing, including Teacher Key Questions***  *Insert text here* | *Insert text here* | *Insert text here* |
| ***Summing Up***  *Insert text here* | *Insert text here* | *Insert text here* |

# viiii. Draft Board Plan

## Anticipate how the board might look by the end of the TTP lesson. This [board organization template](https://lessonresearch.net/wp-content/uploads/2020/07/Blank-Board-Plan.pdf) may be useful to articulate the learning goal of the lesson, anticipate, select and compare potential students’ mathematical thinking, and to generate a summary of the lesson.

|  |
| --- |
| *Insert photograph or diagram (if applicable)* |

# x. End of Lesson Reflection

## What Did We Learn? (to be filled out after the TTP lesson)

|  |
| --- |
| *Insert text here* |