NAME: DATE: \_



(Name used for matching purposes only.)

**UC RET Project: Teacher Current Instructional Practices**

This survey will be given to RET participants at the beginning of their project involvement and repeated annually.

Challenge-based/design-based learning guides students in constructing knowledge around an initially ill-defined problem and consists of the following practices. To what extent does your current instruction **incorporate** these practices?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Use Regularly** | | **Use Occasionally** | **Have Tried It** | **Never Used** |
| **Explicitly connect class content to complex problems or issues with global impact** | Ο | Ο | Ο | Ο |
| **Explicitly connect class content to real world examples and applications** | Ο | Ο | Ο | Ο |
| **Explicitly connect these real-world applications to STEM careers** | Ο | Ο | Ο | Ο |
| **Explicitly connect class content to how people in STEM careers use their knowledge to address societal impacts** | Ο | Ο | Ο | Ο |
| **Guide students to break complex global problems in to their local and more actionable components** | Ο | Ο | Ο | Ο |
| **Guide students in refining problems** | Ο | Ο | Ο | Ο |
| **Guide students in planning investigations to better understand different components of problems** | Ο | Ο | Ο | Ο |
| **Provide opportunities for students to gather information about problems or issues of importance** | Ο | Ο | Ο | Ο |
| **Provide students with opportunities to explore multiple solution pathways for problems** | Ο | Ο | Ο | Ο |
| **Guide students in weighing the pros and cons of different solution pathways** | Ο | Ο | Ο | Ο |
| **Provide opportunities for students to test their solution pathways** | Ο | Ο | Ο | Ο |
| **Guide students in evaluating the results of their solution pathways** | Ο | Ο | Ο | Ο |
| **Provide students with opportunities to refine and retry a solution pathway** | Ο | Ο | Ο | Ο |
| **Provide opportunities for students to communicate their solution pathways and results to others** | Ο | Ο | Ο | Ο |
| **Provide opportunities for students to take responsibility for the decisions they made about the processes used in solving complex problems** | Ο | Ο | Ο | Ο |

*~ SURVEY CONTINUES ON THE BACK OF THIS PAPER ~*

Initially developed as part of the CEEMS Project supported by the National Science Foundation (grant #

1102990). Any opinions, findings, conclusions, and/or recommendations are those of the investigators and do not necessarily reflect the views of the Foundation.

Please indicate your current level of **confidence** in implementing these challenge- based/design-based learning practices.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Very Confident** | | **Confident** | **Somewhat Confident** | **Not Confident** |
| **Explicitly connect class content to complex problems or issues with global impact** | Ο | Ο | Ο | Ο |
| **Explicitly connect class content to real world examples and applications** | Ο | Ο | Ο | Ο |
| **Explicitly connect these real-world applications to STEM careers** | Ο | Ο | Ο | Ο |
| **Explicitly connect class content to how people in STEM careers use their knowledge to address societal impacts** | Ο | Ο | Ο | Ο |
| **Guide students to break complex global problems in to their local and more actionable components** | Ο | Ο | Ο | Ο |
| **Guide students in refining problems** | Ο | Ο | Ο | Ο |
| **Guide students in planning investigations to better understand different components of problems** | Ο | Ο | Ο | Ο |
| **Provide opportunities for students to gather information about problems or issues of importance** | Ο | Ο | Ο | Ο |
| **Provide students with opportunities to explore multiple solution pathways for problems** | Ο | Ο | Ο | Ο |
| **Guide students in weighing the pros and cons of different solution pathways** | Ο | Ο | Ο | Ο |
| **Provide opportunities for students to test their solution pathways** | Ο | Ο | Ο | Ο |
| **Guide students in evaluating the results of their solution pathways** | Ο | Ο | Ο | Ο |
| **Provide students with opportunities to refine and retry a solution pathway** | Ο | Ο | Ο | Ο |
| **Provide opportunities for students to communicate their solution pathways and results to others** | Ο | Ο | Ο | Ο |
| **Provide opportunities for students to take responsibility for the decisions they made about the processes used in solving complex problems** | Ο | Ο | Ο | Ο |

*~ THANK YOU FOR YOUR RESPONSES! ~*