

FIDELITY TO MAP2D LESSON STRUCTURE

Instructions: Provide ratings for each item based on the scale below. Provide comments/details that shed light on your ratings. Describe activities that do not fall within the MAP2D design.

- 1 = Low Fidelity
- 2 = Medium Fidelity
- 3 = High Fidelity

1) Problem of the Day (~10 min)

Begin:

End:

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|---|---|---|---|
| ▪ Teacher begins the lesson with a <u>word problem</u> of the day | 1 | 2 | 3 |
| ▪ Teacher <u>models</u> the first problem while students watch | 1 | 2 | 3 |
| ▪ Students practice the next problem(s) independently | 1 | 2 | 3 |
| ▪ The classroom discusses the problem afterward | 1 | 2 | 3 |

2) Lesson Opener (~1-2 min)

Begin:

End:

- | | | | |
|--|---|---|---|
| ▪ Teacher activates students' <u>prior knowledge</u> | 1 | 2 | 3 |
| ▪ Teacher states and displays/writes the lesson <u>objective</u> | 1 | 2 | 3 |
| ▪ Students write or paste the objective in their <u>journal</u> | 1 | 2 | 3 |

3) Input / Modeling (~5-10 min)

Begin:

End:

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|---|---|---|---|
| ▪ Students <u>put pencils down and just watch</u> the teacher | 1 | 2 | 3 |
| ▪ Teacher introduces <u>new content</u> connected to the objective | 1 | 2 | 3 |
| ▪ Teacher <u>models</u> by vocalizing <u>each step</u> of thought process | 1 | 2 | 3 |

4) Structured Guided Practice (~5-10 min)

Begin:

End:

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|--|---|---|---|
| ▪ Teacher guides practice utilizing <u>active participation</u> strategies | 1 | 2 | 3 |
| ▪ Teacher consistently <u>checks for understanding</u> of all students | 1 | 2 | 3 |
| ▪ Teacher <u>adjusts instruction</u> based on student understanding | 1 | 2 | 3 |

5) Guided Practice (~20 min)

Begin:

End:

- | | | | |
|---|---|---|---|
| ▪ There are several problems for students to solve | 1 | 2 | 3 |
| ▪ There is at least one <u>challenge problem</u> to solve | 1 | 2 | 3 |
| ▪ Each student works independently at first | 1 | 2 | 3 |
| ▪ Students ask neighbors for help before asking teacher | 1 | 2 | 3 |
| ▪ Students discuss in groups to <u>reach consensus</u> on solutions | 1 | 2 | 3 |

6) Presentation (~15 min)

Begin:

End:

- | | | | |
|--|---|---|---|
| ▪ One student is chosen from each group to present a problem | 1 | 2 | 3 |
| ▪ Presenters and problems are chosen <u>randomly</u> by the teacher | 1 | 2 | 3 |
| ▪ The student explains <u>each step</u> of how they solved the problem | 1 | 2 | 3 |
| ▪ Presenters are permitted to ask for help from their peers | 1 | 2 | 3 |
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7) Closure & Preview (~1-2 min)

Begin:

End:

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|--|---|---|---|
| ▪ The class summarizes what they learned during the lesson | 1 | 2 | 3 |
| ▪ Teacher provides a glimpse of the next lesson on the board | 1 | 2 | 3 |
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