

Unclogging the Mathematics Pipeline Classroom Observation Scale

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Teacher: _____ Date: _____													
Observer: _____ Time observation began: _____													
School: _____ Time observation ended: _____													
Program Teacher: _____ Intervention 1 or 2: _____													
Items	Field Notes												
<p>1. Provides clear and measurable objectives</p> <table style="width: 100%; text-align: center; border-collapse: collapse;"> <tr> <td style="width: 25%;">r</td> <td style="width: 25%;"> </td> <td style="width: 25%;"> </td> <td style="width: 25%;"> </td> </tr> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> <tr> <td>Not effective</td> <td>Partially effective</td> <td>Moderately effective</td> <td>Very effective</td> </tr> </table>	r				1	2	3	4	Not effective	Partially effective	Moderately effective	Very effective	
r													
1	2	3	4										
Not effective	Partially effective	Moderately effective	Very effective										
<p>2. Ensures that students understand lessons and assignments</p> <table style="width: 100%; text-align: center; border-collapse: collapse;"> <tr> <td style="width: 25%;">r</td> <td style="width: 25%;"> </td> <td style="width: 25%;"> </td> <td style="width: 25%;"> </td> </tr> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> <tr> <td>Not effective</td> <td>Partially effective</td> <td>Moderately effective</td> <td>Very effective</td> </tr> </table>	r				1	2	3	4	Not effective	Partially effective	Moderately effective	Very effective	
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<p>3. Promotes connections to prior mathematical knowledge, skills, and understandings</p> <table style="width: 100%; text-align: center; border-collapse: collapse;"> <tr> <td style="width: 25%;">r</td> <td style="width: 25%;"> </td> <td style="width: 25%;"> </td> <td style="width: 25%;"> </td> </tr> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> <tr> <td>Not effective</td> <td>Partially effective</td> <td>Moderately effective</td> <td>Very effective</td> </tr> </table>	r				1	2	3	4	Not effective	Partially effective	Moderately effective	Very effective	
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<p>4. Uses a variety of tools to reason together about algebra</p> <table style="width: 100%; text-align: center; border-collapse: collapse;"> <tr> <td style="width: 25%;">r</td> <td style="width: 25%;"> </td> <td style="width: 25%;"> </td> <td style="width: 25%;"> </td> </tr> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> <tr> <td>Not effective</td> <td>Partially effective</td> <td>Moderately effective</td> <td>Very effective</td> </tr> </table>	r				1	2	3	4	Not effective	Partially effective	Moderately effective	Very effective	
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<p>5. Engages students in lessons</p> <p>┌</p> <p>1 2 3 4</p> <p>Not Partially Moderately Very</p> <p>effective effective effective effective</p>	
<p>6. Reflects on the students' reactions to lessons</p> <p>┌</p> <p>1 2 3 4</p> <p>Not Partially Moderately Very</p> <p>effective effective effective effective</p>	
<p>7. Asks questions to press the students onward with solving the algebra</p> <p>┌</p> <p>1 2 3 4</p> <p>Not Partially Moderately Very</p> <p>effective effective effective effective</p>	
<p>8. Promotes communication about mathematics</p> <p>┌</p> <p>1 2 3 4</p> <p>Not Partially Moderately Very</p> <p>effective effective effective effective</p>	
<p>9. Engages students' intellect</p> <p>┌</p> <p>1 2 3 4</p> <p>Not Partially Moderately Very</p> <p>effective effective effective effective</p>	
<p>10. Listens to students' comments and responses carefully to assess understanding</p> <p>┌</p> <p>1 2 3 4</p> <p>Not Partially Moderately Very</p> <p>effective effective effective effective</p>	

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<p>11. Encourages discourse about mathematical problems</p> <p style="text-align: center;">┌</p> <p style="text-align: center;">1 2 3 4</p> <p style="text-align: center;">Not Partially Moderately Very</p> <p style="text-align: center;">effective effective effective effective</p>	
<p>12. Observes, listens to, and gathers information about students to assess their learning</p> <p style="text-align: center;">┌</p> <p style="text-align: center;">1 2 3 4</p> <p style="text-align: center;">Not Partially Moderately Very</p> <p style="text-align: center;">effective effective effective effective</p>	
<p>13. Assesses students' mathematical knowledge and understanding formally</p> <p style="text-align: center;">┌</p> <p style="text-align: center;">1 2 3 4</p> <p style="text-align: center;">Not Partially Moderately Very</p> <p style="text-align: center;">effective effective effective effective</p>	
<p>14. Encourages a positive disposition toward mathematics</p> <p style="text-align: center;">┌</p> <p style="text-align: center;">1 2 3 4</p> <p style="text-align: center;">Not Partially Moderately Very</p> <p style="text-align: center;">effective effective effective effective</p>	