

Developing Key Structures to Create and Implement an Integrated Mathematics and Science Curriculum!¹

Consider structural elements you listed on the “Assessing Structural Features of Your School for Mathematics and Science Integration” sheet that either encouraged or prevented the development and use of integrated mathematics and science curriculum in your school.

For each of the three elements that characterize your PLC culture (i.e., items I, II and III from the previous page), develop a plan for building on the encouraging and supporting structures you listed, and then changing or working around the impediments you discerned.

1. To encourage the development of *organizational features* to support the creation and use of an integrated mathematics and science curriculum ...

We can build on

[structure]: _____

by taking these steps:

[structure]: _____

by taking these steps:

[structure]: _____

by taking these steps:

We can overcome

[structure]: _____

by taking these steps:

[structure]: _____

by taking these steps:

[structure]: _____

by taking these steps:

¹ Both worksheets from Dufour, R. and Eaker, B. (1998). *Professional learning communities at work*. Bloomington: National Education Services.

2. To encourage the development of *operationalizing features* to support the creation and use of an integrated mathematics and science curriculum ...

We can build on

[structure]: _____

by taking these steps:

[structure]: _____

by taking these steps:

[structure]: _____

by taking these steps:

We can overcome

[structure]: _____

by taking these steps:

[structure]: _____

by taking these steps:

[structure]: _____

by taking these steps:

3. To encourage the development of *sustainability features* to support the creation and use of an integrated mathematics and science curriculum ...

We can build on

[structure]: _____

by taking these steps:

[structure]: _____

by taking these steps:

[structure]: _____

by taking these steps:

We can overcome

[structure]: _____

by taking these steps:

[structure]: _____

by taking these steps:

[structure]: _____

by taking these steps: