

Figure 7.2: Team Discussion Tool—Protocol for Team Analysis of the Mathematics in a PLC at Work Lesson-Design Tool

Directions: Closely examine the components in the Mathematics in a PLC at Work lesson-design tool (figure 7.1, pages 52–53). With your colleagues, discuss how you could use parts or all of the tool to help your current efforts to plan mathematics lessons for your grade level or course.

Lesson-Design Element	Strengths Identify what you currently do that is a strength for each component.	Challenges Identify any components that you currently do not address or do not address well in your lesson-planning process, and list how you might improve these components.
1. Essential learning standards: the <i>why</i> of the lesson		
2. Prior-knowledge warm-up activities		
3. Academic language vocabulary as part of instruction		

4. Lower- and higher-level-cognitive-demand mathematical task balance		
5. Whole-group and small-group discourse balance		
6. Lesson closure for evidence of learning		