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Jack Bookman* (bookman@math.duke.edu), Mathematics Department, Duke University, Box 90320, Durham, NC 27708-0320. *Improving the Preparation of Graduate Students to Teach Undergraduate Mathematics.*

The biggest challenge facing new college instructors, is the minimal preparation for teaching they receive in their graduate teaching. In this presentation, a new initiative to address this problem will be discussed. The purpose of this project, funded by NSF under the auspices of the MAA, is to help faculty who wish to start or improve a program to provide professional development (PD) for novice college mathematics instructors. There are informal networks of people who work in this arena but the resources that do exist are inaccessible or difficult to locate for those new to the work. The purpose of the proposed project is to provide better access to these resources and to create durable versions of the existing informal networks. These efforts will create an infrastructure, housed and supported by the Mathematical Association of America (MAA), to enhance the mathematics community's ability to provide teaching-related professional development to graduate students. The project includes the following components: a multimedia suite of resources for PD providers and mechanisms for building it; a professional community of practice bringing together providers and researchers; workshops and webinars for providers and researchers; and distance delivery of PD for graduate students. (Received August 12, 2014)