Service-learning provides a useful way for students to experience both the application and appreciation of mathematics. Effective service learning, however, depends on several factors and can be implemented according to a variety of models. In this session, seven models for incorporating service-learning in mathematics courses will be presented along with example courses. In addition, principles for good service-learning practice will also be discussed as a means for assessing the quality of a service component or activity. (Received September 20, 2010)