Ko, Yi-Yin; Yee, Sean P.; Bleiler-Baxter, Sarah K.; Boyle, Justin D.
Empowering students’ proof learning through communal engagement.
Math. Teach. (Reston) 109, No. 8, 618-624 (2016).

Summary: This article describes the authors’ three-component instructional sequence – a before-class activity, a during-class activity, and an after-class activity – which supports students in becoming self-regulated proof learners by actively developing class-based criteria for proof. All four authors implemented this sequence in their classrooms, and the work reported is from Dr. Ko’s mathematics methods course for pre-service secondary school mathematics teachers. However, the same sequence can be replicated in high school mathematics classrooms for students to increase their engagement with proof. (ERIC)

Classification: E50
Keywords: proof; proving; proof learning; activities