# AMATYC AUSTIN, TX 2011

**Cinconia: Pre-Service Teachers Discover Math!**

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Inventing number systems is a powerful way to understand the struggles elementary students have counting and calculating. Pre-service teachers need tools to relate to these difficulties.

You will engage in fun, diverse, hands-on activities that deepen the understanding of teaching elementary mathematics. We will share projects completed by our students.

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* **Cinconia**: Students create a number system through a guided project.
* **GCF/LCM**: Using dice, students create a set of numbers to practice the skill of determining the GCF and LCM.
* **Graphs:** Using a motion sensor to verify their understanding of provided graphs, students attempt to recreate them.

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# Sybille Clayton’s website has all materials readily available. Click on the AMATYC button.

http://ola4.aacc.edu/sclayton1

*Note*: *Do NOT use “www” in the web address.*

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How did these activities work for you? Any feedback is appreciated.