

# Central Alberta Regional Consortium

## Working Together: Making a Difference

Promoting student achievement and school improvement through professional development.



## Circle Properties – Grade 9

with Sandi Berg

Date: **Friday, October 14, 2011**

Venue: **River Glen School, CARC Suite**

Time: **9:00 am - 3:30 pm**

Address: **4210 59 St., Red Deer**

Cost: **\$30**

Lunch: **Lunch is Included**

*\*\*This session is made possible through a grant from Alberta Education\*\**

### *Who should attend?*

Math Teachers of Gr. 9

### *About the session:*

The goal for this session will be to demonstrate some constructivist activities tied to the Circle Properties unit of the grade nine Program of Studies. The topic of circle properties has previously been taught in grade eleven but is now being taught at the grade nine level. Emphasis will be placed on how to teach these concepts to students, many of whom will be unfamiliar with the background behind this type of math. Focus will be placed on solving questions using the following chord properties:

- the perpendicular from the centre of a circle to a chord bisects the chord
- the measure of the central angle is equal to twice the measure of the inscribed angle subtended by the same arc
- the inscribed angles subtended by the same arc are congruent
- a tangent to a circle is perpendicular to the radius at the point of tangency.

### *About the facilitator:*

**Sandi Berg** Sandi Berg is a Mathematics and Technology educator who has taught every level from K-12. She is constantly increasing her repertoire of hands-on activities that make connections with the real world and sharing those resources with other teachers. She holds a Master of Educational Technology and is always looking for ways to effectively integrate technology in her classroom in order to increase student understanding.

*Register Online at: <http://www.carcpd.ab.ca>*

**Central Alberta Regional Consortium**

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