



Developing Frieda's Field

Topics: Algebra & Functions Students investigate the use of trigonometry to find the area of a non-right-angled triangle.

Year Group: 5th Year Level: Leaving Certificate Higher

Posing the Problem

Frieda has a triangular field that she wants to sell to developers. She needs to find its area.





Reflecting on the Learning

As teachers involved in Lesson Study, we have had the opportunity to discuss our ideas around this topic and to learn from our students. Sometimes we can over estimate students' abilities. While they understand the concept, their application of certain skills may need more practice once the knowledge is acquired. It also allowed us to look at the order in which topic fits in to the overall unit and the manner in which we present prior knowledge. Having been exposed to this type of pedagogy, teachers are beginning to enjoy exploring topics in this manner. Lesson Study provides a solid foundation for teachers to make connections between their own previous knowledge and that of other teachers. It also provides opportunity to encounter possible new content which they learn from their peers through *Meitheal Machnaimh* and their students during *Ceardaiocht*.



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Maths Counts 2017 Engaging teachers in Lesson Study

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