Posing the Task

Roots and Shoots

Topic: Algebra

Using a contextualised problem students will investigate how to factorise a quadratic trinomial

Year Group: 2nd Year Level: Higher



You have a job for the summer working with the celebrity gardener Diarmuid Gavin. He has been hired to design an outdoor space for the Setanta Hotel. The space will include a square pool and

a patio of fixed area $24m^2$. He also wants to include a flower garden and a grass lawn. Your task is to write the length and width of the outdoor space, in terms of x, given that the area is $x^2 + 11x + 24$

<image>

Reflecting on the Learning

Over half the class successful completed some section of the array. They responded very well to the task and were completely engaged throughout. The most enjoyable section of the lesson for the participating teachers was the Ceardaíocht. Watching the students' reactions to their classmates presenting their work on the board and hearing their excited whispers as the solutions became clear to them was wonderful. The whole class ended the lesson with the ability to factorise the quadratic, despite not having been taught it explicitly by their teacher, "Student Power!"





Developed by Dudley O'Donnell, Kristan Fox, Katie Cahill, Mairead O'Rourke with thanks to Denise Carroll MDT and students from Coláiste Pobail Setanta.





Maths Counts 2017 Engaging teachers in Lesson Study

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