



The Great Hall at Hogwarts

Topic: Algebra and Patterns Introducing linear patterns.

Year Group: 1st Year Level: Mixed Ability

Hagrid has bought new trapezium tables for the Great Hall in Hogwarts. Seven pupils can sit around each table individually (five in the middle and one at either end), but Hagrid wants to join the tables together in a straight row. How many pupils can sit around 30 tables?



Flow of the Lesson



Reflecting on the Learning

Students were enthusiastic about the lesson because of the Harry Potter links. They enjoyed using the props although they distracted some pupils. The pupils enjoyed finding different ways to solve the problem although some of them just found different numerical ways to make the answer rather than different methods to solve the problem. The pupils were very confident coming out to explain their solutions and they were keen to share their knowledge. During the plenary the pupils were asked the opposite problem (how many tables needed for 122 pupils) and their ability to solve this problem demonstrated to the teachers that they had achieved the learning intentions.



Developed by Catriona McArdle (Colaiste na hInse) and Leona Matthews (Ballymakenny College) with thanks Virginia Shanahan-Desmond MDT, and the pupils from Colaiste na hInse, Bettystown, Co. Meath.

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