

The **ScienceMath** project: **Concept of Parallelism**  
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## Further Information

The idea of using „same-thicks“ or orbiforms for supporting the learning of mathematics is part of the project „Mathematik zum Anfassen“, which was realised by Prof. Dr. Beutelspacher in the first action-oriented mathematical museum of the world “Mathematikum” in Gießen/ Germany and in its corresponding travelling exhibition ([www.mathematikum.de](http://www.mathematikum.de)).

2005 this travelling exhibition came to Schwäbisch Gmünd, where students and collaborators of our University of Education Schwäbisch Gmünd assisted the classes and the young and old visitors. The surprising observation that the boards stay parallel while rolling over the orbiforms motivated us, to integrate this idea into our ScienceMath-project and to construct an adequate teaching module. Our experiences show that worksheets and the contrast to the circle and “circle with bump” are helpful for a reflexion and connection between observation and concept of parallelism.

## Literature

Beutelspacher, A. (ed.): Mathematik zum Anfassen, Begleitbuch zur Wanderausstellung



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