Title: Orthogonal projection onto the $x y$-plane for secondary schools
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Abstract: This thesis follows on from the bachelor thesis Position examples in an orthogonal projection onto the xy-plane with metric examples and analysis of the current state of teaching the orthogonal projection onto the $x y$-plane at secondary schools. It includes a variety of examples and exercises. For some of those, step-by-step constructions are available in the addendum. They have been adapted for projection using a dataprojector. The theoretical part including step-by-step constructions was also made available to the public via a webpage. The thesis is designed for secondary school students as a material for self study and as a tool for teachers, who can use the included examples and project the step-by-step constructions in class.

Keywords: orthogonal projection, construction examples, position examples, metric examples

