

Anexo I. Referencias encontradas en la fase de identificación

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Anexo II. Resumen de artículos seleccionados

Tabla 1.

Resumen de los artículos seleccionados

Nº	Autor/es	Título	Resumen del proyecto
[5]	Amador y Soule (2015)	Girls Build Excitment for Math from Scratch	Proyecto basado en programación con Scratch para los contenidos de álgebra analítica (coordenadas cartesianas y vectores)
[10]	Beigie (2014)	The Algebra Artist	Dibujo artístico mediante tipos de funciones matemáticas con la herramienta de Geogebra
[36]	Duncan, Lenhart y Sturner (2014)	Measuring Biodiversity with Probability	Cuatificación de datos en el campo de la Biología, para ser inferidos y estimar relaciones con las variables de estudios (por ejemplo, tamaño poblacional de especies)
[41]	English et al. (2014)	The Aerospace Engineering Challenge	Proyecto de diseño, construcción y prueba de vuelo de un avión de papel, estimando el coste de la superficie de material usado. Trabajo grupo con exposición final.
[42]	English y Mousoulides (2015)	Bridging STEM in a Real-World Problem	Proyecto de construcción de un puente con presentación del trabajo en grupos.
[63]	Howe et al. (2015).	Rational number and proportional reasoning in early secondary school: towards principled improvement in mathematics	Proyecto de formación del profesorado con intervención práctica en el aula para trabajar números racionales y razonamiento proporcional.
[72]	King (2015b)	Spatial reasoning and simple coding	Codificación con <i>TouchDevelop</i> para el diseño de funciones y fractales.
[73]	Köse y Johnson (2016)	Women in Mathematics: A Nested Approach	Programa entre escuela y universidad para resolver problemas matemáticos con contenidos 'diferentes' y avanzados.
[78]	Lee (2014)	Tinkering with Buoyancy	Proyecto de física basado en tomar datos del peso soportado por un barco de papel. Después, los datos numéricos son modelados por funciones con uso del software TinkerPlots.
[91]	Moè (2016)	Does experience with spatial school subjects favour girls' mental rotation performance?	Taller basado en la rotación de objetos en 3D y prueba de resultados con un cuestionario.
[95]	Murawska y Zollman (2015)	Taking It to the Next Level: Students Using Inductive Reasoning	Problemas de razonamiento inductivo y Pitágoras sobre un tamiz de puntos que representa el geoplano.

[115] Seshaiyer y Kappmeyer (2016)	Transforming Practices in Mathematics Teaching and Learning through Effective Partnerships	Programa de campamento de verano con talleres de problemas reales, manejando distancias, velocidad, tiempo, proporciones, porcentajes, Pitágoras
[117] Snapp y Neumann (2015)	An Amazing Algorithm	Taller de problemas laberínticos basados en soluciones algorítmicas.
[120] Star et al (2014).	Studying technology-based strategies for enhancing motivation in mathematics	Taller de generalización de patrones numéricos.
[131] Wickliff, Pugalee y Raja (2015)	The E and M in STEM Education: Considering Opportunities to Integrate Engineering and Mathematics	Propuesta didáctica de la construcción de un puente para practicar razonamiento numérico y algebraico.
