

Educational Resources or Educational Scenario Description Form

Title	Does brain research provide insights in teaching media literacy?
Abstract	The presentation “Does brain research provide insights in teaching media literacy?” is background material for teachers about brain research investigating students’ media understanding. The presentation was first given to teachers and researchers in a webinar of the DETECT project, and it provides insights and ideas for teaching medial literacy. An essential background for the study was knowledge about adolescents’ development: they are still developing the mentalising skills; i.e., an ability to infer the intentions of others, and for this reason they are more influenced by their peer group. The study consisted of two parts, brain research and a classroom experiment. The results showed, e.g., that for students, the style and medium of news makes a difference for evaluating them, and discussion in groups evoke students’ reflection on the media and writing style related to the reliability of the news.
Keywords	Critical and reflective thinking, media analysis, brain research
Language(s)	English
Framework Dimensions	<input type="checkbox"/> Technology use <ul style="list-style-type: none"> <input type="checkbox"/> Critical technical skills <input type="checkbox"/> Computational thinking <input type="checkbox"/> Technology risks and troubleshooting <input type="checkbox"/> Data literacies <ul style="list-style-type: none"> <input type="checkbox"/> Data analytics <input type="checkbox"/> Data protection and data safety <input type="checkbox"/> Big and open data <input type="checkbox"/> Data visualization <input type="checkbox"/> Information literacies <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Digital media use <input checked="" type="checkbox"/> Online reading comprehension <input type="checkbox"/> Online inquiry process <input checked="" type="checkbox"/> Source validation and verification <input type="checkbox"/> Digital content creation <ul style="list-style-type: none"> <input type="checkbox"/> Creative digital expression <input type="checkbox"/> Co-creation <input type="checkbox"/> Multimodal production <input type="checkbox"/> Digital publishing <input type="checkbox"/> Remixing <input type="checkbox"/> Digital communication and collaboration <ul style="list-style-type: none"> <input type="checkbox"/> Online communication <input type="checkbox"/> Online collaboration <input type="checkbox"/> Digital empathy <input type="checkbox"/> Networking <input type="checkbox"/> Digital identity and profiles <input type="checkbox"/> Online privacy <input type="checkbox"/> Digital well-being and safety <ul style="list-style-type: none"> <input type="checkbox"/> Empowerment <input type="checkbox"/> Online safety <input type="checkbox"/> Digital overexposure <input type="checkbox"/> Digital selfhood <input type="checkbox"/> Digital belonging <input type="checkbox"/> Ergonomics <input type="checkbox"/> Digital citizenship <ul style="list-style-type: none"> <input type="checkbox"/> Rights and responsibilities <input type="checkbox"/> Sustainable use <input type="checkbox"/> Digital civic engagement

	<input type="checkbox"/> Digital teaching and learning <input checked="" type="checkbox"/> Digital pedagogical methods <input type="checkbox"/> Learning analytics <input type="checkbox"/> Digital learning ecologies
Target	<input type="checkbox"/> primary <input type="checkbox"/> lower secondary school <input type="checkbox"/> upper secondary school <input checked="" type="checkbox"/> teachers (professional development resources)
Subject Area	<i>i.e Literacy, History, Math</i>
Educational Type	<input checked="" type="checkbox"/> educational resource <input type="checkbox"/> educational scenario
Media/Multimedia type(s)	<input checked="" type="checkbox"/> text <input checked="" type="checkbox"/> image <input type="checkbox"/> audio <input type="checkbox"/> video
Genre	<i>text & image: presentation</i>
File format	<i>pdf</i>
Author(s)	<i>Dr. Mareike Bacha-Trams, University of Helsinki</i>
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