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ANNEX OF ALL MATERIALS TO

**A STUDENT’S SYNTHESIS OF TACIT AND MATHEMATICAL KNOWLEDGE
AS A RESEARCHER’S LENS ON BRIDGING LEARNING THEORY**

Dor Abrahamson

[To article](#) 

Research Notes

[Companion document](#). The scientific background of our research

Appendix

[Transcription](#) of Li’s learning process in movie 2

Movies

[Movie 1](#). The *marbles scooper* for drawing samples of (four) ordered marbles

[Movie 2](#). A video excerpt of 3.5 min. featuring the culmination of Li’s learning process

Applets and Animations

[Applet 1](#). Simulation of the marbles-scooping experiment with an option to partition the outcome distribution according to the dynamically accumulating instances of the 16 elemental events

[Applet 2](#). Simulation of the marbles-scooping experiment that accumulates iconic records of the actual samples taken and allows for reordering and coloring by elemental events

[Description of the applets](#). Description of their function and their pedagogical use

[Animation 1](#). A schematic representation of Li’s shifting attention

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