Date: 12/5/2011

Grant E. Cartmner, Ph.D.

[Signature]

PERMISSION GRANTED FOR THE USE REQUESTED ABOVE:

Ann P. Meckham

Sincerely,

If these arrangements meet with your approval, please sign this letter where indicated below. Scan it into an attachment and return it to me via email. Thank you very much.

Ann P. Meckham

Sincerely,

The requested permission extends to any future revisions and editions of my dissertation.

Following:

Would like your permission to reprint in my dissertation the attached graphic from the Models of Engineering Design Processes: A Comparison of Two Communities of Practice, 1 dissertation at University of Missouri - St. Louis entitled "Elementary Teacher's Mental Model," this letter will confirm our recent email conversation. I am completing a doctoral dissertation on the subject of engineering design processes.


Dear Dr. Cartmner:

Grant E. Cartmner, Ph.D.

December 2, 2011

SL. Louis, Missouri 63141
10958 Chase Court