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Comment: Remember the Humanity in Science Instruction

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Questions

- (1) Compare the values you obtained for V_{tp} . Determine an average value for V_{tp} .
- (2) List some sources of error for the experiment.

Part 6

Determine the actual speed of the toy. Compare this value to the average value you found in question 1.

COMMENT: REMEMBER THE HUMANITY IN SCIENCE INSTRUCTION

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There go the “alphabet sciences” and here come the “pace sciences.” PACE, Personalized Adventures in Chemistry Education; PABE, Personalized Adventures in Biological Education; PAPE, Personalized Adventures in Physics Education; PAESE, Personalized Adventures in Earth Science Education. Independent learning centers, modular instruction, programmed instruction, packet projects, single concept film loops, single concept bioplastic kits, computer programs, pencil and paper sciences, *all*, yes, all individualized or whatever it is called. Though millions have been spent on some of the individualized programs, they do not represent “cure-alls.” They do not hold a candle to personal instruction, though they may be supplements. Don’t hesitate for fear the “pace sciences” will replace you—they can’t. These “things” may be supplements—but often students and schools get devoured in the paper and pencil of them. Some appear to allow the student to waste time for the “fun” of “messing around.” Basic understanding decreases in such situations. Individualized instruction is student-instructor oriented, and these individualized learning “things” are student-paper oriented. Remember the “humanity” in science instruction? They are called students—and instructors.