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Using a “prediction-observation-explanation” inquiry model to enhance student interest and intention to continue science learning predicted by their internet cognitive failure

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Highlight

- ▶ We examined POE inquiry-based learning mode to learn science concepts through the iPad2.
- ▶ The “attention-to-affect” model was used to determine the antecedent factor, and found Internet cognitive failure negatively related to three types of learning interest.
- ▶ Internet cognitive failure was negatively associated with three types of learning interest.
- ▶ POE mode of inquiry is suitable for implementing at an intelligent mobile device to assist in learning.

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