

# 认知研究计划

## Cognition Research Project

### Projet de recherche de connaissance

# 認知研究計劃



## synopsis

The Cognition Research Project (“PRG”), now in its sixth year, is basic research of how certain multilingual, multicultural approaches affect three levels of cognition: (i) comprehension (ii) development of knowledge and wisdom and (iii) creativity.

Its objective is to improve methods of facilitating human cognition.

PRG is premised on the proposition that cognition is facilitated by using multiple languages and cultural referents: and that results are measurable.

The methodology involves teaching a highly quantifiable topic (mathematics) using three language pairs: English/French; French/Chinese; and English/Chinese. Student progress in multilingual program versus monolingual is compared. Progress within each language pair is also compared. It is hypothesized that progress will be greater in test (multilingual) groups than in control (monolingual) groups. Further, that progress will be related (proportionately or other relationship) to linguistic separation of language pairs.

The project requires complex logistics and team qualifications. Research is conducted on-site in three countries: China, France, and USA. Team qualifications include: graduate level mathematics competency; courseware and linguistics expertise; and near native proficiency in English, French, and Putonghua.

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