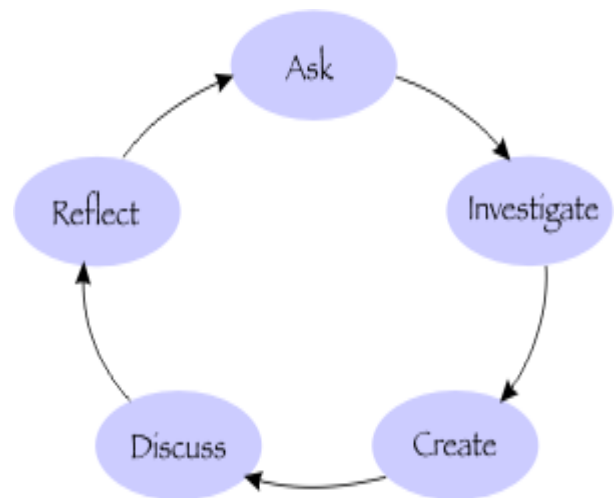


■ The Cycle of Inquiry-Based Learning

🌐 The inquiry cycle

- 📖 Bishop, A.P., Bertram, B.C., Lunsford, K.J. & al. (2004). Supporting Community Inquiry with Digital Resources. *Journal Of Digital Information*, 5 (3).
- 📖 Villavicencio, J. (2000). Inquiry in Kindergarten. *Connect Magazine*, 13 (4). Synergy Learning Publication.



Asking Big Questions

■ Big Questions

1. It is open-ended.
2. It inspires higher-order thinking like analysis and evaluation.
3. Its answer requires justification and explanation.
4. It engages students.

📖 McTighe, J. & Wiggins, G. (2013). *Essential Questions: Opening Doors to Student Understanding*. Alexandria, VA: Association for Supervision and Curriculum Development.

🌐 overarching/topical essential questions

■ 依教學內容分：Bloom 認知領域學習目標六層次，將問題分為四種

1. 認知記憶性問題
2. 推理性問題
3. 創造性問題
4. 批判性問題

📖 呂錘卿(2022)。新教學原理與設計。台北，五南。(p. 407)

■ 問題分類架構

📖 李宜芬 (2005)。問題式教材之分類架構及其應用。〔未出版之碩士論文〕。臺灣師範大學資訊教育學系。

■ 書籍推薦

1. 黃國珍(2020)。探究式閱讀：黃國珍的閱讀進階課，從自我提問到深度思考，帶你讀出跨域素養力。台北：親子天下。
2. 藍偉瑩(2021)。提問力：啟動探究思考的關鍵。台北：親子天下。

任務設計 G.R.A.S.P.S.

1. **Goal:** a definition of the problem or goal
2. **Role:** the role of the student
3. **Audience:** the target audience
4. **Situation:** the context or scenario of the goal
5. **Product/Performance**
6. **Standards:** rubrics or success criteria

📖 Wiggins, G., & McTighe, J. (2008)。重理解的課程設計 (賴麗珍譯)。臺北市：心理出版社。(原著出版於2005年)

📖 Wiggins, G., & McTighe, J. (2005). *Understanding by design* (expanded 2nd ed.). Association for Supervision and Curriculum Development. Alexandria, Virginia.

✍ Practice 1: Amazing Americans Pocahontas

📖 [Cool English](#) > 課程/比賽 > 課程專區 > 國小區 > 閱讀 > 國小 TCM 讀本 > 故事世界(適合所有程度)> Amazing Americans Pocahontas

四色思考法

✍ Practice 2: 四色思考

■ 引發學生探究周遭的關鍵提問

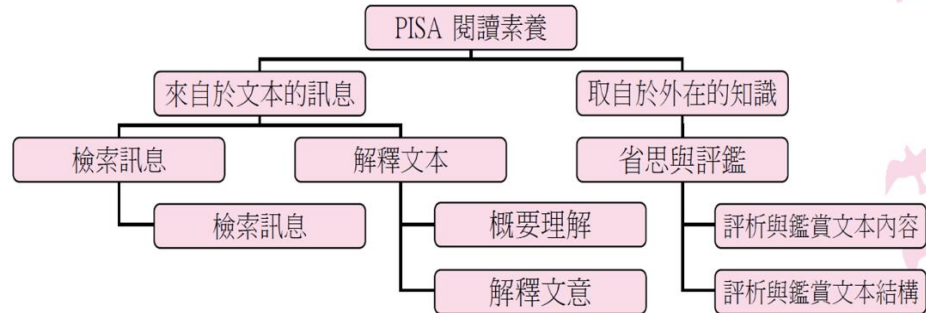
1. 引發學生覺察問題
2. 使用探究方法
3. 協助歸納學習結果
4. 學習遷移 / 應用學習結果

■ 參考資料

1. 林淑媛《708 深耕閱讀課期末報告》
2. 林從一《思考的三個層次·你是哪一個?有意識地跳脫框架·才是「獨立思考」!》
3. 吳作樂《AI 世界的奶頭樂 人類生活的再省思》
4. 104 興雅國中李美惠老師《發現科學亮點課堂：溫室氣體與二氧化碳》
5. 楊琮熙《問一個好問題·比得到答案本身還重要：善用 ORID 討論法為你的議題聚焦》

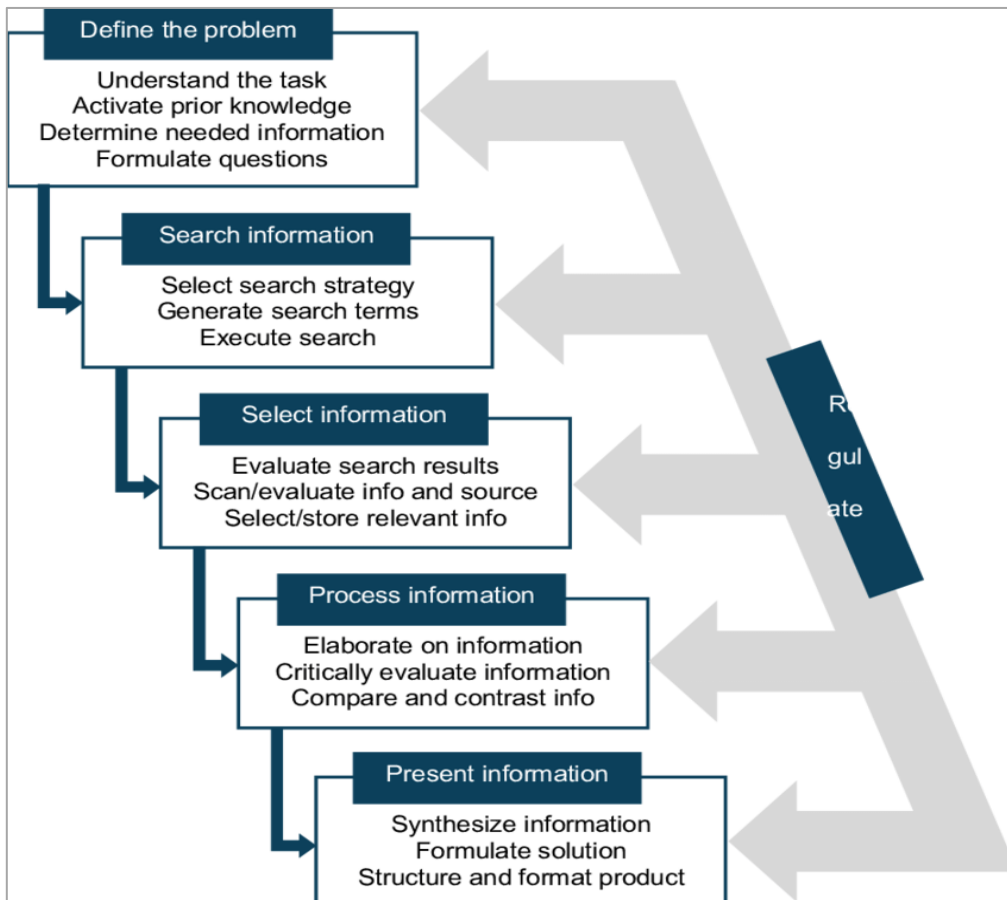
■ 參考資料

1. PIRLS 2016 國際閱讀素養成果
2. 數位閱讀素養學習活動手冊
3. 柯華葳《培養數位閱讀素養就是培養數位自學力·第一步從有目的的搜尋開始》
4. PISA 評量架構




5. IPS Model (Information Problem Solving Model)

📖 Frerejean, J., Velthorst, G. J., van Strien, J. L., Kirschner, P. A., & Brand-Gruwel, S. (2019). [Embedded instruction to learn information problem solving: Effects of a whole task approach](#). *Computers in Human Behavior*, 90, 117-130.



6. Big 6

- <https://thebig6.org/>
- 《WHAT IS THE BIG6?》

 **Practice 3:** 翰版 Book 4 Unit 3, Reading, Cocoa Children

People love chocolate. Americans alone buy more than 58 million pounds of chocolate for Valentine's Day, the "sweetest" time of the year. But for the cocoa child workers in the Ivory Coast, chocolate doesn't taste sweet but bitter.

Child labor is a big problem in the Ivory Coast. Most cocoa child workers are between 12 and 16 years old. The farm owners make the kids work 12 hours a day. On the farm, they pick cocoa beans quickly and quietly. They work harder than most adults but only get about 65 cents a day. These little workers work on the farm for years and spend all their time there. They don't have a chance to go to school.

This story is sad. The chocolate companies behind the cocoa farms need to stop using child labor. Now, more and more people are fighting for the children's rights because they need help. Some choose not to buy chocolate from these companies, and others tell the children's stories. Let's join them and make a change.

