

資訊科技融入教學 創新應用團隊經營與運作實務

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資訊融入創新教學團隊之組成要素

行政團隊



教學團隊

資源



◎ 行政團隊

- ◆ 校長的支持
- ◆ 科室主管的協助
- ◆ 教育主管機關對於資訊融入教學的支持程度
- ◆ 找出學校的特色
 - ➡ 納入課程
 - ➡ 與在地資源整合

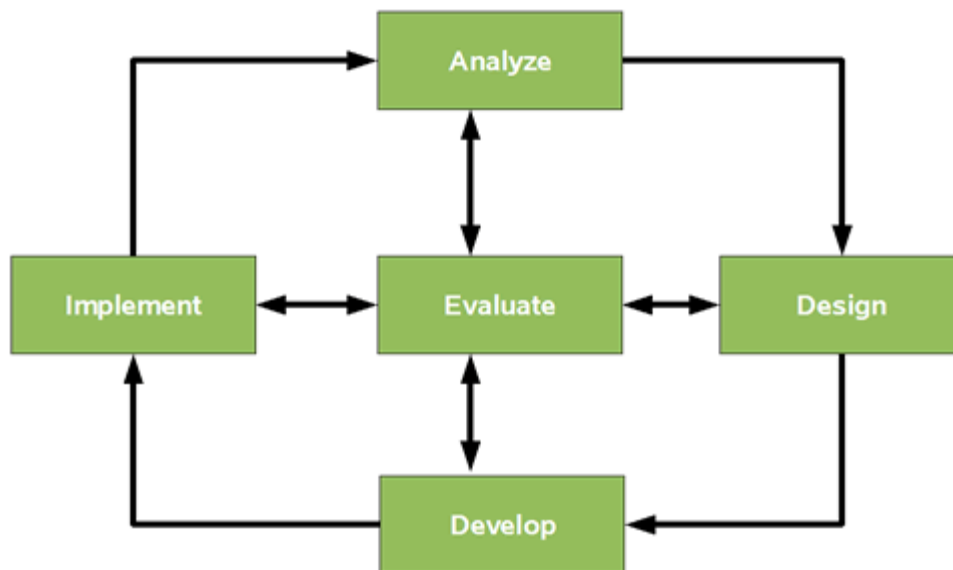


◎ 教學團隊

- ◆ 教師資訊素養與運用資訊的能力
- ◆ 教師培訓：如教師所參加的課程能否幫助其提升資訊融入教學能力
- ◆ 教師實施資訊科技融入教學之意願
- ◆ 教師成長社群之經營
 - ▶ 領域內、跨領域社群
- ◆ 教師備課時間之規劃與運用
 - ▶ 規劃特色課程實施策略



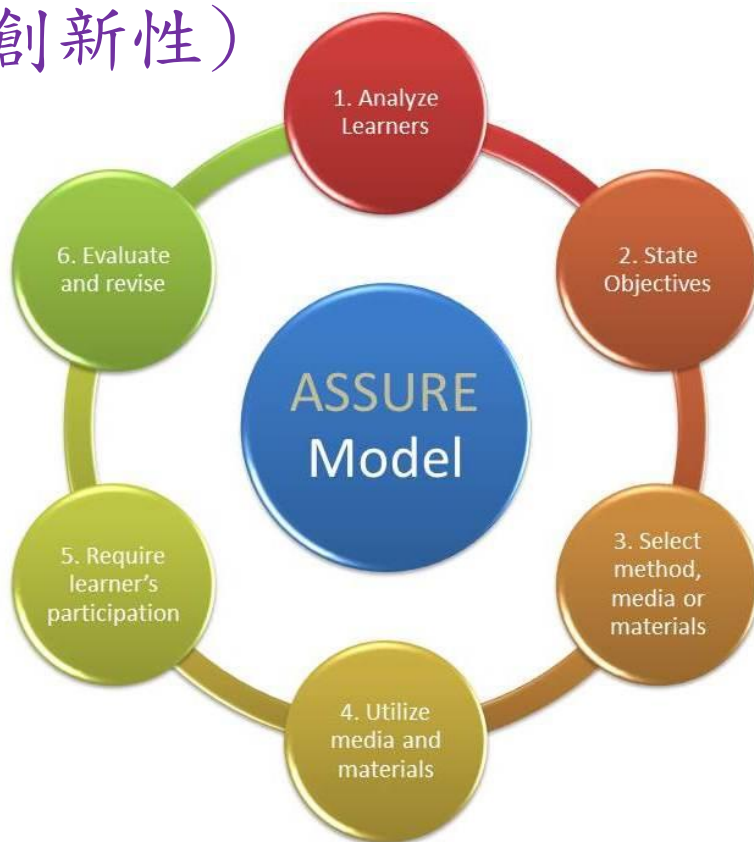
教學設計模式(創新性)



引自 <http://www.about-elearning.com/addie-instructional-design-model.html>



教學設計模式(創新性)



引自: [http://edtc632160instructionaldesign.pbworks.com/w/page/54484941/ASSURE Instructional Design Model](http://edtc632160instructionaldesign.pbworks.com/w/page/54484941/ASSURE%20Instructional%20Design%20Model)



@ 教學法(教學策略)

- ◆ PBL(?-based Learning) → Project or Problem?
 - ▶ <http://www.slideshare.net/SuhaTamim/projectbased-and-problembased-learning>
- ◆ PI(Peer Instruction)
- ◆ Cooperative and collaborative learning
- ◆ Game-based learning
- ◆ ...



④ 資源

- ◆ 學校軟、硬體設備是否充足
- ◆ 有線與無線網路環境
- ◆ 硬體設備可用性與穩定性
- ◆ 教學軟體是否足夠
- ◆ 校內資源整合的管道
- ◆ 校外資源整合與運用的管道
- ◆ Internet上的資源分享管道



◎ 團隊的運作模式

- ◆ 以一個簡短的字眼代表
- ◆ 訂定一個固定的聚會時間
- ◆ 團隊成員的成長情形
- ◆ 團隊資源整合與運用的歷程



@ 學習成效評估

- ◆ 學習目標是否有達成？
- ◆ 質性成效 或 量化數據
- ◆ 學生學習情形之佐證資料



Meaningful Learning with Technology

-Jane L. Howland, David Jonassen, Rose M. Marra. (2012)

@ Characters of meaningful learning

- ◆ Active (Manipulative/Observant)
- ◆ Constructive (Articulative/Reflective)
- ◆ Intentional (Goal-directed/Regulatory)
- ◆ Authentic (Complex/Contextual)
- ◆ Cooperative (Collaborative/Conversational)



- @ Inquiring with Technologies
- @ Experimenting with Technologies
- @ Designing with Technologies
- @ Communicating with Technologies
- @ Community Building and Collaborating with Technologies
- @ Writing with Technologies
- @ Modeling with Technologies
- @ Visualizing with Technologies
- @ Assessing Meaningful Learning and Teaching with Technologies



其他相關議題

- ◎ 個人資料保護法
- ◎ 著作權



參考資料

- ④ <http://www.instructionaldesign.org/models/addie.html>
- ④ <http://www.about-elearning.com/addie-instructional-design-model.html>
- ④ [http://edtc632160instructionaldesign.pbworks.com/w/page/54484941/ASSURE Instructional Design Model](http://edtc632160instructionaldesign.pbworks.com/w/page/54484941/ASSURE%20Instructional%20Design%20Model)
- ④ Jane L. Howland, David Jonassen, Rose M. Marra. (2012). *Meaningful Learning with Technology*, 4th ed., Boston: Pearson Education, Inc.

