SCENARIO-ISSUE-RESOLUTION APPROACH TO COMPLEX PROBLEM SOLVING ACROSS TIME AND GEOGRAPHIC AREA

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Network Learning Technologies
Theme-based Curriculum

• Student-centered Learning. Connected with real life.
• Multi-disciplinary Course.
• Use phenomenon or project as core, linking to various disciplines and issues.
• Experiential Learning increase participation, motivation, and cooperation.
Distributed Cross-disciplines → Inter-disciplines → Integrated
Features
• Temporal-spatial relations
• Emphasizes on social humanistic concepts
• Complex relations and issues of real life
• Participatory and Interactive
• High-level thinking and cooperation
• Open answers

Themes
Are Not: Transportation, Food, Weather…
Are: Renaissance, Great Voyage, Schindlers List, …
Scenario-Issue-Resolution
Paradigm for Resolving Complex and Challenging Problems
The World is Complex
Human Beings Have Foresight
Increased awareness of future trends
Visualized future radar and scenarios
Early warnings on opportunities and threats
Future-proof plans and decisions
Thought leadership
Issues
(No Perfect Answer)
(Continuing Process)

Problems
(Possible Answers)

Conflicts

Scientific Brain
(Search for Answers)

Humanistic Brain
(Create Answers)
Three-Phase Curriculum

SCENARIO – ISSUE – RESOLUTION
SCENARIO – ISSUE – RESOLUTION

Scenario Representation
Historical Thinking

Local: Real Scenario

< Mosa Tayal >
Taiwan Aboriginal History Territorial Game

World: Simulated Scenario

< Fragrance Channel >
Maker Game for the Great Voyage Time

Challenging Issues

Metaphor: Fictional Scenario

< Callisto >
Space Summit Game
Issue Recognition
十二年國教19大議題 & SDGs

性別平等  人權  環境  海洋
品德  生命  法治  科技
資訊  能源  安全  防災
家庭教育  生涯規劃  多元文化  閱讀素養
戶外教育  國際教育  原住民族

Environment

Equity

1. 無貧窮
2. 零飢餓
3. 良好健康與福祉
4. 優質教育
5. 性別平等
6. 清潔飲水和衛生設施
7. 經濟基礎的清潔能源
8. 普及工作和經濟成長
9. 產業、創新和基礎設施
10. 減少不平等
11. 可持續城市和社區
12. 負責任消費和生產
13. 氣候行動
14. 水下生物
15. 陸地生物
16. 和平、正義與強大機構
17. 促進目標實現的夥伴關係
SCENARIO – ISSUE – RESOLUTION

Technological Resolution
Technological Integration

- Get in touch with various technological devices
- Attempt to use technology as agent to participate in the scenario
- Use technology to creatively solve problems
大航海 高峰會遊 戲
Feet On
Thematic Reading

- Guided Reading: Several Articles
- Required Reading: One Book
- Selected Reading: 3-5 Books
- Free Reading: 20 Books
Conflicts Analysis

以問題衝突為中心點，分析每個人物角色的情緒、目的與論點。

人物 A——
情緒：A 感到...（正情緒）開心、平靜、期待、感激...；（負情緒）失望、不安、擔心、生氣...。
目的：A 想要...
論點：A 認為...

Character
Emotion
Goal
Argument
Conflict Types and Events

Compare conflicts and give examples.

Conflict types: Benefits, Cultures, Languages, Perspectives, Goals

Action examples: Accommodate, Avoid, Attack, Argue...
# Cause and Effect Analysis

## Argumentations and Evidences

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<td>結論</td>
<td>(結論是...)</td>
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- **Conflicts**
- **Causes**
- **Actions**
- **Effects**
- **Argumentations**
- **Conclusions**
Thank you very much!