The Nuts and Bolts of an MYP Unit

Shaker MYP Professional Development
November 24, 2015
• **Statement of Inquiry**: Informed educators design MYP units of inquiry with knowledge of the necessary nuts and bolts to ensure thoughtful implementation.

  • *Factual*: What are the nuts and bolts of an MYP unit?
  • *Conceptual*: How will these nuts and bolts ensure thoughtful implementation?
  • *Debatable*: Which of the nuts and bolts is most important to an MYP unit?

• **Summative**: Completion of an nuts and bolts organizational tool.
  • Criterion A: Inquiring and Analyzing (i, ii, iii, iv)
  • Criterion B: Developing ideas (i, ii, iii, iv)
Design

- **Key Concepts**: Communication, Communities, Development, Systems (p21)

- **Related Concepts**: adaptation, collaboration, ergonomics, evaluation, form, function, innovation, invention, markets & trends, perspective, resources, sustainability (p48-50)

- **Global Contexts**: identities and relationships, orientation in space and time, personal and cultural expression, scientific and technical innovation, globalization and sustainability, fairness and development (p23)
Design

• **Approaches to Learning:** Communication (communication), **Social** (collaboration), **Self-management** (organization, affective, reflection), **Research** (information literacy, media literacy), **Thinking** (Critical thinking, Creative thinking, Transfer)  (p25-26)

• **Assessment Criteria:** (p31-45)
  • Criterion A: Inquiring and Analyzing
  • Criterion B: Developing skills
  • Criterion C: Thinking creatively
  • Criterion D: Responding
Arts

• **Key Concepts:** aesthetics, change, communication, identity (p23)

• **Related Concepts:** (p54-55)
  o **Visual Arts:** audience, boundaries, composition, expression, genre, innovation, interpretation, narrative, presentation, representation, style, visual culture
  o **Performing Arts:** audience, boundaries, composition, expression, genre, innovation, interpretation, narrative, play, presentation, role structure

• **Global Contexts:** identities and relationships, orientation in space and time, personal and cultural expression, scientific and technical innovation, globalization and sustainability, fairness and development (p24)
Arts

- **Approaches to Learning**: Communication (communication), **Social** (collaboration), **Self-management** (organization, affective, reflection), **Research** (information literacy, media literacy), **Thinking** (Critical thinking, Creative thinking, Transfer)  (p27)

- **Assessment Criteria**: (p38-52)
  - Criterion A: Knowing and Understanding
  - Criterion B: Developing ideas
  - Criterion C: Creating the solution
  - Criterion D: Evaluating
Individuals and Societies

• **Key Concepts:** change; global interactions; systems; time, place and space (p17)

• **Related Concepts:** (p42-51)
  o **Geography:** Causality (cause and consequence); Culture; Disparity and equity; Diversity; Globalization; Management and intervention; Networks; Patterns and trends; Power; Processes; Scale; Sustainability
  o **History:** Causality (cause and consequence); Civilization; Conflict; Cooperation; Culture; Governance; Identity; Ideology; Innovation and revolution; Interdependence; Perspective; Significance
    **See Subject Guide for other I&S content areas**

• **Global Contexts:** identities and relationships, orientation in space and time, personal and cultural expression, scientific and technical innovation, globalization and sustainability, fairness and development
Individuals and Societies

- **Approaches to Learning:** Communication (communication), Social (collaboration), Self-management (organization, affective, reflection), Research (information literacy, media literacy), Thinking (Critical thinking, Creative thinking, Transfer) (p23)

- **Assessment Criteria:** (p28-40)
  - Criterion A: Knowing and Understanding
  - Criterion B: Investigating
  - Criterion C: Communicating
  - Criterion D: Thinking Critically
Language Acquisition

- **Key Concepts**: communication, connections, creativity, culture (p36-37)

- **Related Concepts**: (p94-95)
  - Phase 1/2: Accent, Audience, Context, Conventions, Form, Function, Meaning, Message, Patterns, Purpose, Structure, Word choice
  - Phase 3/4: Audience, Context, Conventions, Empathy, Function, Idiom, Meaning, Message, Structure, Point, of view, Purpose, Word choice
  - Phase 5/6: Argument, Audience, Bias, Context, Empathy, Idiom, Inference, Point of view, Purpose, Stylistic choices, Theme, Voice

- **Global Contexts**: identities and relationships, orientation in space and time, personal and cultural expression, scientific and technical innovation, globalization and sustainability, fairness and development
Language Acquisition

- **Approaches to Learning**: Communication (communication), Social (collaboration), Self-management (organization, affective, reflection), Research (information literacy, media literacy), Thinking (Critical thinking, Creative thinking, Transfer) (p40-41)

- **Assessment Criteria**: (p48-92)
  - Criterion A: Comprehending spoken and visual text
  - Criterion B: Comprehending written and visual text
  - Criterion C: Communicating in response to spoken and/or written and/or visual text
  - Criterion D: Using language in spoken and/or written form
Math

- **Key Concepts**: Form, Relationships, or Logic (p18)

- **Related Concepts**: change, justification, pattern, simplification, equivalence, measurement, quantity, space, generalization, model, representation, system (p50-52)

- **Global Contexts**: identities and relationships, orientation in space and time, personal and cultural expression, scientific and technical innovation, globalization and sustainability, fairness and development
Math

• **Approaches to Learning**: Communication (communication), **Social** (collaboration), **Self-management** (organization, affective, reflection), **Research** (information literacy, media literacy), **Thinking** (Critical thinking, Creative thinking, Transfer)

• **Assessment Criteria**: (p36-48)
  - Criterion A: Knowing and Understanding
  - Criterion B: Investigating Patterns
  - Criterion C: Communicating
  - Criterion D: Applying Mathematics in Real-life Contexts
Science

- **Key Concepts:** Change, Relationships, Systems (p19)


  **(Physics, Chemistry, Biology have lists, too)**

- **Global Contexts:** identities and relationships, orientation in space and time, personal and cultural expression, scientific and technical innovation, globalization and sustainability, fairness and development (p22)
Science

• Approaches to Learning: Communication (communication), Social (collaboration), Self-management (organization, affective, reflection), Research (information literacy, media literacy), Thinking (Critical thinking, Creative thinking, Transfer) (p24-25)

• Assessment Criteria: (p30-47)
  o Criterion A: Knowing and Understanding
  o Criterion B: Inquiring and Designing
  o Criterion C: Processing and Evaluating
  o Criterion D: Reflecting on the impacts of science
Language and Literature

- **Key Concepts**: communication, connections, creativity, perspective (p19)

- **Related Concepts**: audience imperatives, character, context, genre, intertextuality, point of view, purpose, purpose, self-expression, setting, structure, style, theme (p49-50)

- **Global Contexts**: identities and relationships, orientation in space and time, personal and cultural expression, scientific and technical innovation, globalization and sustainability, fairness and development (p20)
Language and Literature

• **Approaches to Learning:** Communication (communication), **Social** (collaboration), **Self-management** (organization, affective, reflection), **Research** (information literacy, media literacy), **Thinking** (Critical thinking, Creative thinking, Transfer) (p22-23)

• **Assessment Criterion** : (p27-47)
  - Criterion A: Analyzing
  - Criterion B: Organizing
  - Criterion C: Producing Text
  - Criterion D: Using Language
Physical and Health Education

- **Key Concepts**: change, communication, relationships (p18)

- **Related Concepts**: adaptation, balance, choice, energy, environment, function, interaction, movement, perspective, refinement, space, systems (p42-43)

- **Global Contexts**: identities and relationships, orientation in space and time, personal and cultural expression, scientific and technical innovation, globalization and sustainability, fairness and development (p19)
Physical and Health Education

- **Approaches to Learning**: Communication (communication), **Social** (collaboration), **Self-management** (organization, affective, reflection), **Research** (information literacy, media literacy), **Thinking** (Critical thinking, Creative thinking, Transfer) (p22)

- **Assessment Criterion**: (p25-40)
  - Criterion A: Knowing and Understanding
  - Criterion B: Planning for Performance
  - Criterion C: Applying and Performing
  - Criterion D: Reflecting and Improving Performance
# Suggested MYP Unit Nuts and Bolts Organizational Tool

## The Nuts and Bolts of an MYP Unit

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