Guided Inquiry: Learning in the 21st Century

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21st Century Skills

- Global interconnectedness enabled by information technology calls for:
  - New skills
  - New knowledge
  - New ways of learning
Information Technology

- The easy part
  - Learning how to use new devices

- The hard part
  - Learning how to use technology for creativity and enlightenment
Information Technology

- Impact on education, the economy, and politics
- Changes the way we learn, work and are governed
Inquiry Learning

- The foundation of the information age school
- A research approach to learning
Guided Inquiry

- Inquiry guided by an instructional team to enable students to gain depth of understanding and competency in using a wide range of sources of information for learning.
School Librarians’ role in inquiry learning

- School librarians are vital agents in creating schools that enable students to learn through vast resources and multiple communication channels.
Guided Inquiry

- A way of learning that accomplishes the objectives of 21st century schools.

- A way to meet the many requirements of the curriculum through engaging, motivating and challenging learning.
Guided Inquiry – What is it?

- Guided Inquiry is planned, targeted, supervised intervention throughout the inquiry process.

- Grounded in extensive research of the process of learning from a variety of sources of information.

- Constructivist approach to learning
Model of the Information Search Process

<table>
<thead>
<tr>
<th>Tasks</th>
<th>Initiation</th>
<th>Selection</th>
<th>Exploration</th>
<th>Formulation</th>
<th>Collection</th>
<th>Presentation</th>
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<tbody>
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<td>Feelings (affective)</td>
<td>uncertainly</td>
<td>optimism</td>
<td>confusion</td>
<td>clarity</td>
<td>sense of</td>
<td>satisfaction or disappointment</td>
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<td>confidence</td>
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<td>Thoughts (cognitive)</td>
<td>vague</td>
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<td>seeking relevant information</td>
<td>exploring</td>
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<td>seeking pertinent information</td>
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<td>documenting</td>
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student centered <-------- learning centered --------> teacher centered
Guided Inquiry Team

- Three member core team
  - Build on expertise in the school

- Extended team
  - Build on the expertise in the community
5 Kinds of Learning through Inquiry

- Information Literacy
- Learning how to learn
- Curriculum Content
- Literacy Competence
- Social Skills
Information Literacy

- Concepts approach to
  - Locating
  - Evaluating
  - Using information
Learning how to learn

- Inquiry as a way of learning in the information environment
- Students personalize the learning process
Curriculum Content

- The content of inquiry is drawn from subjects across the curriculum.
Literacy Competence

- Going beyond learning to read to reading to learning.

Practice for proficiency
Social Skills

- Community of learners
- Small work groups
  - For interacting
  - collaborating
  - sharing
Examples of Guided Inquiry

- Primary School
- Middle School
- High School
Getting Started in Your School

Three ways

- Gain support
- Develop an implementation plan
- Create a network to share success and problems
New ways of thinking about education

- Teachers cannot do this alone
- School libraries are definitely in the picture
- School libraries need to be dynamic learning centers where students to learn through vast resources and multiple communication channels.