Research Projects and Digital Presentations
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Lay of the Land

• Changing academic demands with a need for structured technological, and information literacy
• Increased focus on cross curricular collaboration
• School populations almost completely comprised of digital natives
the STANDARDS
Skills Taughts

1. Research Skills
2. Technological Literacy
3. Information Literacy
4. Digital Citizenship
Research Projects and Digital Presentations

Research Skill Development Framework

A conceptual framework for the explicit, coherent, incremental and spiralling development of students' research skills

Extent of Students' Autonomy

Level 1 (Prescribed Research)
Highly structured directions and modelling from educator prompt student research

Level 2 (Bounded Research)
Boundaries set by and limited directions from educator channel student research

Level 3 (Scaffolded Research)
Scaffolds placed by educator shape student independent research

Level 4 (Student-Initiated Research)
Students initiate the research and this is guided by the educator

Level 5 (Open Research)
Students research within an open determined guidelines that accord with discipline or career

**Research Skill Development Framework (RSD)**, a conceptual framework for Primary schools to PhD, developed by John Wilcocks and Harry O'Connor. The framework is designed to help educators develop research skills in students from early childhood through to university. It is based on the concept of scaffolding, where support is gradually reduced as students become more independent.

**Levels of Autonomy**
- **Level 1**: Prescribed Research. Students are given clear instructions and guidance on how to conduct their research.
- **Level 2**: Bounded Research. Students are given some freedom to choose their own methods within the bounds set by the educator.
- **Level 3**: Scaffolded Research. Students are provided with more independence, with gradual support and guidance.
- **Level 4**: Student-Initiated Research. Students are encouraged to initiate their own research, with some guidance.
- **Level 5**: Open Research. Students are free to pursue their own research interests, with minimal guidance.

**RSD Framework**

- **Research**: Find and generate needed information/data using appropriate methodology.
- **Organize & Manage**: Organize information/data using a prescribed structure. Manage linear processes provided.
- **Communicate & Apply**: Use mainly lay language and prescribed genre to demonstrate understanding for stated perspective. Apply to similar context for different audiences.

- **Evaluate & Reflect**: Evaluate information/data and the processes used. Reflect on the research processes used.
- **Organize & Manage**: Organize information/data using self-determined goals. Manage self-determined processes with multiple paths.

- **Communicate & Apply**: Use discipline-specific language and genres to demonstrate scholarly understanding for a specified audience. Apply to different contexts for multiple audiences.

- **Evaluate & Reflect**: Evaluate information/data and the processes used. Reflect on the research processes used.

**Research Skill Development Framework (RSD)** is designed to help educators develop research skills in students from early childhood through to university. It is based on the concept of scaffolding, where support is gradually reduced as students become more independent. The framework is designed to help educators develop research skills in students from early childhood through to university. It is based on the concept of scaffolding, where support is gradually reduced as students become more independent.
Research Tools

- Books (tailor your projects to your library)
- Subject Specific Resources
- Worldbook Kids (Subscription-based)
- Florida Electronic Library (Free)
- Explore!
The Process
1. Foundations
2. Choosing subject
3. Choosing research framework
4. Platform
5. Plan and Create Materials
Barriers

• Hardware - # of computers, headphones, microphones
• Network - internet access, bandwidth, firewalls
• Software - program availability, subscriptions, approval processes
• Student Population - Home Access & Literacy/Exposure
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