Take action! Creating real change in your library community through action research

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First Half of Session: Logic Modeling

Agenda

* Intro to Logic Modeling
* Practice Logic Modeling
* Problem Identification
* Developing SMART Goals
* Creating Logic Models
Introduction to logic modeling
What is a Logic Model?

A logic model is a graphic representation of the theory or logic behind a project or program.

**Key Elements of a Logic Model**

<table>
<thead>
<tr>
<th>Outcomes, Impacts, or <strong>Goals</strong></th>
<th>Objectives, Intermediate Outcomes, or Short-term Goals</th>
</tr>
</thead>
<tbody>
<tr>
<td>* Specify what the program will accomplish in a shorter span of time</td>
<td>* Goals tell the ultimate purpose(s) of the program. They answer the question “What difference does this program make in the long run?”</td>
</tr>
<tr>
<td>* Describe what you hope will happen as a result of the program</td>
<td>* In education, goals usually relate to the impact on learners and learning</td>
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<tr>
<td>* Are measurable</td>
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* Goals tell the ultimate purpose(s) of the program. They answer the question “What difference does this program make in the long run?”
* In education, goals usually relate to the impact on learners and learning
# Key Elements of a Logic Model

<table>
<thead>
<tr>
<th>Activities or strategies</th>
<th>Inputs or Contexts</th>
</tr>
</thead>
<tbody>
<tr>
<td>* Are the conditions that influence program activities and strategies</td>
<td>* Identify the major components of the program</td>
</tr>
<tr>
<td>* Should be considered when planning program activities, e.g., policies, plans, needs assessment data</td>
<td>* Might provide details about how funds are spent</td>
</tr>
<tr>
<td></td>
<td>* Describes broad categories of what the program does</td>
</tr>
<tr>
<td></td>
<td>* Are measurable</td>
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</table>
Write a collection development policy for the media program during the second semester, the MTAC will appeal to the School Improvement Team for additional funding. By the end of the school year, the patrons of the South Caldwell High School Media Center will have a collection that is more closely aligned with the recommendations of the IMPACT guidelines: a variety of materials that meet the needs of all students, materials that match the curriculum and are up-to-date, and a collection that is assembled using the guidance of teachers and professional recommendations.

During the first semester, the media specialist will use the collection development policy to make recommendations for deselection. During the first semester, the media specialist will make selection recommendations based on faculty input and professional recommendations.

During the second semester, the MTAC will write an Education Foundation grant.

* Logic Model created by Janet Fore. Used with permission.
Advantages to Using Logic Models

- Teachers became more engaged and reported greater program awareness (Finnan & Davis, 1995*)

- Staff understood the program better (Beckford, 1998*)

- Teachers were more actively involved in implementation and altered practices as a result of the evaluation (Darling, 1998*)

At your table, arrange the items you’ve been given into a logic model.

* Check your work!
Problem identification

1. Take 5 minutes to brainstorm some problems in your library that you might want to address.
2. Now take 10 minutes to discuss with your group and narrow down to one problem to focus on for your logic model.
Transforming your problem into a goal

AND CREATING A LOGIC MODEL!
S.M.A.R.T.
Goals & Objectives

★ Specific – target a specific area for improvement.

★ Measurable – quantify or at least suggest an indicator of progress.

★ Assignable – specify who will do it.

★ Realistic – state what results can realistically be achieved, given available resources.

★ Time-related – specify when the result(s) can be achieved.

EXAMPLES

* The nonfiction section will be weeded.
* The media specialist will weed the nonfiction section.
* By the end of 2018, the media specialist will weed the nonfiction section.
* By the end of 2018, the media specialist will weed the 600 section of nonfiction.
* By the end of 2018, the media specialist will weed the 600 section of nonfiction so that it is current.
* By the end of 2018, the media specialist will weed the 600 section of nonfiction so that the average age of the section is <5 years old.
  * Specific: 600 section
  * Measurable: age <5 years old
  * Assignable: media specialist
  * Realistic: 600 section instead of all of nonfiction
  * Time-related
CREATE YOUR OWN

1. CREATE YOUR OWN LOGIC MODEL.
2. START WITH YOUR SMART GOAL AND WORK BACKWARD.
3. USE THE TEMPLATE PROVIDED, OR TURN THE PAPER OVER FOR MORE ROOM TO CREATE YOUR OWN!
Share!

"I think you should be more explicit here in step two."
Logic Modeling to Action Research
Action Research, Defined

★ What makes AR different from other research?
★ Who does AR?
★ Context-specific
★ Requires a deep-dive
Why do we do research?

* To improve services and resources for our school communities
* To better understand a problem/issue/challenge/phenomenon
* Usually a small, small facet
* Not always a “right” answer
* Not always “positive” findings
  * Its OK if your findings tell you your intervention didn’t work. You know and THAT’s the point!
The Action Research Cycle

- Problems/topic (Explore)
- Interventions (Explore/Plan)
- Research questions (Plan)
- (Reflection)
Action Learning

Problem

※ What’s a problem or issue in your library?
※ Try to think beyond the “basics.” Ex:
  ※ My library’s collection has a lot of outdated materials
  ※ I’d like to get more graphic novels for my library
※ What would you like to change/add/remove/take advantage of?
※ Take a minute to write down some ideas
※ Any examples?
Problem to Topic

* Why focus on the topic?
* Literature review
  * How might I solve this problem?
  * How can I better understand this problem?
  * What other topics are related to this problem?
* Browse “the literature” for some ideas
My problem is _____.
My topic is _____.

* Work with another person or two
* What is your problem? Tell this to your work mates.
* What then is the broader topic representative of your problem?
* Where might you look for information on this topic?
Intervention

* When there’s a problem, you need to intervene to fix it.

* What is the intervention you’re thinking you might create to solve your problem or issue?

* Intervention is what you’re going to study/measure.

* Example: A problem in my library is that no one is checking out books. I plan to intervene by visiting classrooms to booktalk books and using a mobile checkout system.
Wait a minute….

* Can your problem be solved by doing a literature review?

* Have people already solved this issue by using other, tested means?

* Can data be gathered as a result of your intervention? Is it measurable? How do you know if it worked or not?
Other considerations

★ Does your budget support your intervention?
★ Do you have community support for your intervention?
★ How do you know when you’re done? Set a timeline.
Possible Interventions

* Think about one of your problems:
  * What are some ways you could solve it?
  * Is that way of solving it, measurable?
    * If not, how else could you solve this problem?
Research Questions

* Guidance for your work.
* Research = specificity
* Not: what happens if I do A?
* Be specific!
  * If I do A does B happen?
Measurement

* How do I know my intervention worked?
* Think about how you originally knew you had a problem
  * Measurable data?
  * Observational?
* Need some sort of baseline to compare
* Examples of data collection methods:
  * Survey – pre/post
  * Field notes/observations
  * Interviews – individual or focus group
  * Statistical data
Results...what now?

- Informs practice – change, keep, completely scrap
- Communicate with stakeholders
- Communicate with colleagues
  - Conference presentation
  - Article
  - In-service
- Build on what you’ve done to do more action research
- Tie into professional goals and annual reports
Community of Practice

* Bounce ideas
* Give suggestions
* Critical questioning
* http://nclibraryar.freeforums.net
### General

<table>
<thead>
<tr>
<th>Board</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Action research questions</td>
<td>0</td>
<td>0</td>
<td>No posts have been made on this board.</td>
</tr>
<tr>
<td>General Discussion</td>
<td>1</td>
<td>1</td>
<td>Welcome to your new forum!</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>by Admin</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
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### Legend

- ![New Posts](image.png)
- ![No New Posts](image.png)

### Forum Information & Statistics

**Threads and Posts**
- Total Threads: 1
- Total Posts: 1
- Last Updated: Welcome to your new forum! by Admin (8 minutes ago)

**Recent Threads**
- Recent Posts - RSS Feed - Mark All Boards Read

**Users Online**

**Members**
- Total Members: 1
- Newest Member:
- Most Users Online: 1 (1 minute ago)
- View today's birthdays
Other ways to reach us

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