

September 30, 2021

# Module 2 Evaluation Questions Chapter Progression

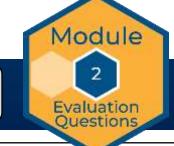
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How Evaluation
Questions Relate
to the Logic Model

How to Write Evaluation Questions: the PARSEC Framework

How to Prioritize Evaluation Questions



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# Chapter 1

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How Evaluation Questions Relate to the Logic Model

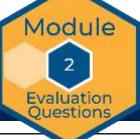


## Logic Models Are the Center of Evaluation

#### **Problem statement**

If we have we will achieve shape and and achieve these do these generate these these changes these these resources things, deliverables, in knowledge, behaviors, outcomes in place **Short-term** Mid-term Long-term **Activities Outputs** Resources outcomes outcomes outcomes





### Types of Evaluation Questions

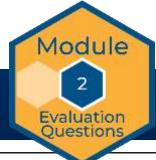
# Process evaluation questions

- They are concerned with implementation.
- The goal is to improve the program.

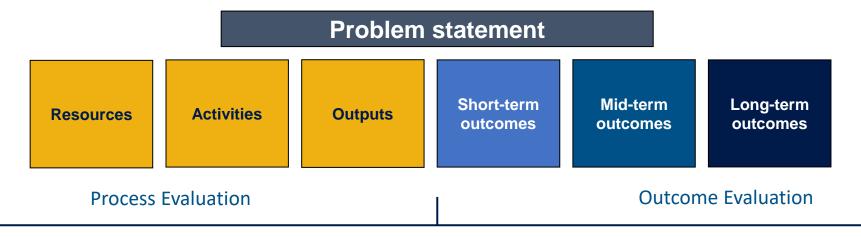
# Outcome evaluation questions

- They are concerned with program outcomes.
- The goal is to document program merit.





### **Evaluation Questions and the Logic Model**



To what extent is the program making use if available resources?

To what extent is the program being implemented as intended?

To what extent were tutors knowledgeable of the programs' content?

To what extent did the program improve students' math scores?





## After-School Middle-Grades Math Program (AMMP!)

- A middle school has been experiencing
  - low rates of math homework completion, which may contribute to low math achievement scores; and
  - high numbers of unsupervised students, which may contribute to community issues such as vandalism.
- AMMP! offers math tutoring, math extension, homework completion support, recreational activities, and field trips during after-school hours.





### **AMMP!** Logic Model

Problem statement: Students at the middle school have low homework completion rates (lower than 40 percent) and low performance on state math assessments (only 25 percent proficient or advanced). In addition, the community around the middle school is experiencing issues with unsupervised students after. Incidents involving middle school students are up 17 percent over the last three years. Stakeholders, including school staff, students, parents, community services, property owners, and businesses, are concerned about the low performance and unsupervised after-school time. Research has indicated that low math performance in middle school is correlated with low graduation rates and that unsupervised after-school time is related to an increase in community issues. The school district has recently received a federal grant and would like to use these funds to address the problem.

#### Resources

- Grant funding
- School facilities (office space, gym, classrooms, outdoor space)
- School transportation
- Volunteer tutors
- School staff
- Teacher-designed math extension activities
- Partnerships with the local recreation center and businesses

#### Activities

- Training of volunteer tutors
- Tutoring or homework help
- Outreach activities, such as newsletters
- Math extension activities, such as math games and experiments
- Recreational activities
- Field trips, such as community-sponsored activities

#### Outputs

- Student attendance in AMMP!
- Hours of provided tutoring
- Tutor attendance in training
- Tutoring records
- Lesson plans
- Schedules of math extension, recreational activities, and field trips
- Meeting minutes

#### Short-term outcomes

- Community awareness of AMMP!
- Increased tutor knowledge of effective techniques
- Student awareness of AMMP!
- Teacher promotion of AMMP!
- Increased teacher support for AMMP! activities

#### Mid-term outcomes

- Increased student participation in AMMP!
- Increased homework completion rates
- Increased readiness for high school math
- Increased engagement in math classes
- Increased community and business participation in AMMP! activities

#### Long-term outcomes

- Increased graduation rates
- Decreased number of issues in the community
- Increased enrollment in advanced math courses in high school
- Improved performance on state math assessments
- Improved school community relationships

Additional considerations: Availability of tutors and school facilities.

Unsupervised after-school time results in increased community issues. Including recreational activities will improve attendance.



Additional Resources

AMMP! Logic Model

Module 2 Evaluation Questions

## Using the AMMP! Logic Model

# Process evaluation questions

- Which activities require the most resources?
- Which activities are being used the most?

# Outcome evaluation questions

- How effective are the tutors after training?
- What is the increase in math homework completion for participants?





### **Activity: Drafting Your First Questions**

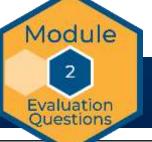
 Draft evaluation questions based on your logic model.

<b>Evaluation Question</b>	Logic Model Component	Process or Outcome
Which activities require the most resources?	Activities	Process
Which activities are being used the most?	Activities	Process
How effective are the tutors after training?	Mid-term outcomes	Outcome
What is the increase in math homework completion for participants?	Mid-term outcomes	Outcome



Additional Resources

• Identifying Evaluation Questions Worksheet







# Chapter 1 Complete

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Recommended next: Chapter 2 – How to Write Quality Evaluation Questions





# Thank You

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