COOKIE BAKING LOGIC MODEL

SITUATION: Kids are hungry for chocolate chip cookies

INPUTS
Cookie baker
Baker's helper
Butter
Sugar
Eggs
Flour
Vanilla
Baking soda
Brown sugar
Salt
Nuts
Chocolate Chips

OUTPUTS
Preheat oven
Grease cookie sheet
Measure ingredients
Sift together
Stir ingredients
Drop by spoonful
Bake dough
Put cookies on plate

OUTCOMES
Hungry cookie eaters eat the cookies
Hungry cookie eaters like the taste
Satiated cookie monster
Happy baker
Baker's helper decides to open a bakery

Dirty kitchen
## Logic Model Development

### Program Implementation Template – Exercise 1 & 2

<table>
<thead>
<tr>
<th>RESOURCES</th>
<th>ACTIVITIES</th>
<th>OUTPUTS</th>
<th>SHORT- AND LONG-TERM OUTCOMES</th>
<th>IMPACT</th>
</tr>
</thead>
<tbody>
<tr>
<td>In order to accomplish our set of activities we will need the following:</td>
<td>In order to address our problem or asset we will accomplish the following activities:</td>
<td>We expect that once accomplished these activities will produce the following evidence or service delivery:</td>
<td>We expect that if accomplished these activities will lead to the following changes in 1–3 then 4–6 years:</td>
<td>We expect that if accomplished these activities will lead to the following changes in 7–10 years:</td>
</tr>
<tr>
<td>• IRS 501(c)(3) status</td>
<td>• Launch/complete search for executive director</td>
<td>• # of patients referred from ER to the clinic/year</td>
<td>• Memorandum of Agreement for free clinic space</td>
<td>• Patient co-payments supply 20% of clinic operating costs</td>
</tr>
<tr>
<td>• Diverse, dedicated board of directors representing potential partners</td>
<td>• Board &amp; staff conduct Anywhere Free Clinic site visit</td>
<td>• # of qualified patients enrolled in the clinic/year</td>
<td>• Change in patient attitude about need for medical home</td>
<td>• 25% reduction in # of uninsured ER visits/year</td>
</tr>
<tr>
<td>• Endorsement from Memorial Hospital, Mytown Medical Society, and United Way</td>
<td>• Board &amp; staff conduct planning retreat</td>
<td>• # of patient visits/year</td>
<td>• Change in # of scheduled annual physicals/follow-ups</td>
<td>• 300 medical volunteers serving regularly each year</td>
</tr>
<tr>
<td>• Donated clinic facility</td>
<td>• Design and implement funding strategy</td>
<td>• # of medical volunteers serving/year</td>
<td>• Increased # of ER/physician referrals</td>
<td>• Clinic is a United Way Agency</td>
</tr>
<tr>
<td>• Job descriptions for board and staff</td>
<td>• Design and implement volunteer recruitment and training</td>
<td>• # of patient flyers distributed</td>
<td>• Decreased volume of un-reimbursed emergencies treated in Memorial ER</td>
<td>• Clinic endowment established</td>
</tr>
<tr>
<td>• First year’s funding ($150,000)</td>
<td>• Secure facility for clinic</td>
<td>• # of calls/month seeking info about clinic</td>
<td></td>
<td>• 90% patient satisfaction for 5 years.</td>
</tr>
<tr>
<td>• Clinic equipment</td>
<td>• Create an evaluation plan</td>
<td></td>
<td></td>
<td>• 900 patients served/year</td>
</tr>
<tr>
<td>• Board &amp; staff orientation process</td>
<td>• Design and implement PR campaign</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Clinic budget</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Logic Model Worksheet**

<table>
<thead>
<tr>
<th>Inputs</th>
<th>Outputs</th>
<th>Outcomes – Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td>What we invest</td>
<td>What we do</td>
<td>What the short term changes are</td>
</tr>
<tr>
<td></td>
<td>Participation</td>
<td>What the medium term changes are</td>
</tr>
<tr>
<td></td>
<td></td>
<td>What the ultimate impact(s) is</td>
</tr>
</tbody>
</table>

- **Inputs**: What we invest
- **Outputs**: What we do
- **Outcomes – Impact**: What the short term changes are, what the medium term changes are, what the ultimate impact(s) is
LOGIC MODEL LINGO

1. Input
2. Output: Activity, Participation
3. Outcome
   a. Short - Learning
   b. Medium - Action
   c. Long-term – Ultimate benefit

Place a number code, from above, on each line. Be prepared to explain your choice.

- a. Teens learned leadership skills
- b. A new curriculum was developed
- c. Students reported increased confidence in negotiation skills
- d. Training programs included seminars and workshops
- e. Parents from around the state attended
- f. Operators applied their new skills on the job
- g. Two agencies partnered to design the program
- h. Volunteers provided over 300 hours of support to the project
- i. Teen mentors were trained
- j. Owners learned how to develop a woodland management plan
- k. Sessions were held in 10 locations
- l. Reported cases of abuse declined
- m. Food safety skills were taught to food vendors and restaurant workers
- n. Books were distributed to children
- o. Parents increased their employment skills
- p. Increased numbers of high school students graduate
- q. We helped the community assess the needs of families
- r. Specialists educated owners about effective production methods
- s. Youth serving agencies increased their collaboration
- t. Teens established a teen court and hear cases monthly
- u. 3 two-day workshops were conducted in each region
- v. Newsletters are distributed in three languages
- w. 30 listeners per week tune into the radio broadcast
- x. Teens learned to counsel other teens on tobacco prevention
- y. Town enacted a policy for youth curfew
- z. More kids walk to school
LOGIC MODEL LINGO (ANSWERS)

1  Input
2  Output: Activity, Participation
3  Outcome
   a.  Short - Learning
   b.  Medium - Action
   c.  Long-term - Ultimate benefit

Place a number code, from above, on each line. Be prepared to explain your choice.

3a  a. Teens learned new leadership skills
2  b. A new curriculum was developed
3a  c. Students increased their confidence in negotiation skills
2  d. Training programs included seminars and workshops
2  e. Parents from around the state attended
3b  f. Operators applied new skills on the job
1  g. Two agencies partnered to design the program
1  h. Volunteers provided over 300 hours of support to the project
2  i. Teen mentors were trained
3a  j. Owners learned how to develop a woodland management plan
2  k. Sessions were held in 10 locations
3c  l. Reported cases of abuse declined
2  m. Food safety skills were taught to food vendors and restaurant workers
2  n. Books were distributed to children
3a  o. Parents increased their employment skills
3c  p. Greater percentage of high school students graduate
2  q. We helped the community assess the needs of families
2  r. Specialists educated business owners about effective production methods and business management
3b  s. Youth serving agencies have increased their collaboration
3b  t. Teens established a teen court and hear cases monthly
2  u. 3 two-day workshops were conducted in each region
2  v. Newsletters are distributed in three languages
2  w. 300 listeners per week tune into the radio broadcast
3a  x. Teens learned to counsel other teens on tobacco prevention
3b  y. Town enacted a policy for youth curfew
3c  z. More kids walk to school

Note: Several of the above are debatable given the program goal that is assumed. Participants should be able to explain, defend their choice. To test outcomes, ask "so what?"
3. Logic Model

Goal: To foster a humanistic learning and working environment in the School of Dentistry in which individuals promote the respect, tolerance, understanding and concern for all members.

All numbers in the Impact section relate correspond to the Humanistic Definition:

The humanistic environment within the University of Michigan School of Dentistry is one in which:

1. Individuals promote the respect, tolerance, understanding and concern for all members
2. Community members continually work to create a supportive and inclusive environment

In the School of Dentistry’s humanistic environment students, staff, and faculty experience:

3. Freedom from intimidation and judgment
4. Close professional relationships
5. Freedom to explore their environment
6. The opportunity to take appropriate risks within the environment
7. The development of trusting and accepting relationships between members, regardless of institutional position or diversity of background
<table>
<thead>
<tr>
<th>Components</th>
<th>Activities</th>
<th>Outputs</th>
<th>Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td>What groups are involved?</td>
<td>What are we doing to meet our goals?</td>
<td>What will be the immediate results of the activities? (Numbers)</td>
<td>What is the expected impact of the activities in 7-10 years?</td>
</tr>
<tr>
<td>Staff</td>
<td>All-staff retreat&lt;br&gt;Staff forum&lt;br&gt;&lt;i&gt;Events:&lt;/i&gt;&lt;br&gt;- Chilumpkin&lt;br&gt;- Ice Cream Social&lt;br&gt;Fundraisers, food drives</td>
<td>400-500 staff attend; held every 2 years&lt;br&gt;Committee meets 1x/month&lt;br&gt;- Each event takes place 1x/yr</td>
<td>1,2,4,5</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1,3,5</td>
</tr>
<tr>
<td>Faculty</td>
<td>Faculty meetings&lt;br&gt;Pathways program&lt;br&gt;Mentoring within department&lt;br&gt;Dental School Olympics&lt;br&gt;Faculty Appreciation Banquet</td>
<td>50-60 faculty participate 1x/month&lt;br&gt;XX Faculty guide 4 students&lt;br&gt;All faculty members have a mentor, meet regularly (varies) annually</td>
<td>1,2,4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2,3,4,5</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1-7</td>
</tr>
<tr>
<td>Students</td>
<td>Pathways program&lt;br&gt;Faculty guide&lt;br&gt;Mentor relationship&lt;br&gt;Student orgs&lt;br&gt;Office hours, school counselor workshops&lt;br&gt;Clinic Huddles&lt;br&gt;Orientation activities, field trips&lt;br&gt;Dental School Olympics&lt;br&gt;Give Kids a Smile</td>
<td>Faculty meet w/ students 1x/semester&lt;br&gt;Students produce report 1x/ semester, annually</td>
<td>4,7</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2,3,4,5</td>
</tr>
<tr>
<td>All members of school</td>
<td>MAC activities:&lt;br&gt;- Ida Gray Award&lt;br&gt;- Women's Tea&lt;br&gt;- Taste of Culture&lt;br&gt;- Veterans' Recognition&lt;br&gt;- MLK Day&lt;br&gt;- MAC bulletin boards, newsletter&lt;br&gt;Pathways Day&lt;br&gt;Research Day&lt;br&gt;Lunch and Learns&lt;br&gt;Dept. gatherings (eg potlucks)</td>
<td>Each event takes place 1x/year&lt;br&gt;New boards monthly; newsletter 2x/yr</td>
<td>1-7</td>
</tr>
</tbody>
</table>