Collaboration Simulation Research Tool: A Board Game

Brooks Hogya MA

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“Some problems are so complex that you have to be highly intelligent and well informed just to be undecided about them.”

--Laurence J. Peter
Games - not what you think

<table>
<thead>
<tr>
<th>Sum of 2 dice</th>
<th># of ways to roll</th>
<th>Probability of roll</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>6</td>
<td>6/36</td>
</tr>
<tr>
<td>3</td>
<td>2</td>
<td>3/36</td>
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<tr>
<td>4</td>
<td>3</td>
<td>2/36</td>
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<td>5</td>
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<tr>
<td>6</td>
<td>5</td>
<td>1/36</td>
</tr>
<tr>
<td>7</td>
<td>6</td>
<td>1/36</td>
</tr>
</tbody>
</table>

- Luck
Resilienceville

A DISASTER RISK REDUCTION (DRR) GAME

Do you have what it takes to serve your community?
This table is extracted from the seminal research in the four areas of organizational disaster response (Brouillette & Quarantelli, 1971, p. 21).
Disaster Risk Reduction through Play:

- A Serious Game Based on Research
- Comprised of Research
- For the Purposes of Research

Disaster Risk Reduction through Play:
NEW GAME

Let’s Try! Science
SITUATION: Environment team notified of a train derailment which has occurred on dairy farmland this afternoon at approximately 1600 hrs. Two Railcars of Styrene (Un 2055) have derailed and one is confirmed to be leaking. Each car holds approximately 100,000 Liters. Based on the angle of the flipped railcar, it is estimated that 10,000 liters has been released to the railroad ditch. Martial is still leaking at 20,000 per hour.

HAZMAT TEAM AND TECHNICAL SPECIALISTS: Construction of ditch blocks (berms) to contain the fluid in the dry rail ditch. All other cars involved in the derailment are intact, upright and visually confirmed not to be releasing product at this time.

AGENCIES NOTIFIED: Wildfire

CURRENT ACTIVITIES: Regional Responder have attended site and met with Incident Command and representatives from Rail Company, the Region of Smallville and Fire. Hazmat is on site conducting assessments of the remaining units and product and assisting in preparation for Transload. Smallville, Fire will remain onsite for fire fighting.

THE AREA IS STILL ISOLED FOR 300 METERS AND COUNTY ROADS ARE CLOSED IN THE VICINITY.

PLANNED ACTIVITIES: Transloading operations for the remaining product in the breached railcar as well as the other railcars involved in the derailment. Environment team has received an action plan from Rail Company for product removal in the ditch and nearby river.
Fog of war
Engagement
It’s not.” (1971, p. 57).

Unless someone like you cares a whole awful lot, nothing is going to get better.

The Lorax: “Unless someone like you cares a whole awful lot, nothing is going to get better. Unless someone like you listens to something long enough to know that that thing is a poison. And unless someone like you fights back.”

–Johnny Appleseed
Thank You

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References


