

A Game of Access, Book 1: A Song of Hubs and Spokes

The Setting:

- Town of Limonite: Pop. 10,000
- Working Population: 55%
- Unemployment Rate: 7%
- Median Household Income: \$41,500
- K12 Population: 16%
 - Public: 85%
 - Private & Parochial: 15%
- Student School Free & Reduced Lunch Eligibility: 60%
- Higher Education Population: 5%
 - Community College: 50%
 - Cost per credit hour: \$100
 - 4-Year State College/University: 40%
 - Cost per credit hour: \$300
 - Private College/University: 10%
 - Cost per credit hour: \$1000
- Cable: reaches 75% of households (but most don't buy high-speed access)
 - 100Mbps: \$30/month
 - 1Gbps: \$60/month
- Cellphones: reaches 85% of households (but most have low data caps)
 - 100Mbps - 4G: \$40/month
 - 250Mbps - 5G: \$50/month
- Satellite: 5% of households (non-overlapping with cable or cellphones)
 - 25Mbps: \$30/month
 - 150Mbps: \$100/month

The Player Teams:

3 Groups:

1. Broadband Service Providers (3 Subgroups)
 - Cable
 - Tier 1: 100Mbps (90% likelihood of success)
 - Tier 2: 1Gbps (80% likelihood of success)
 - Cellular
 - Tier 1: 4G - 100Mbps (80% likelihood of success)
 - Tier 2: 5G - 250Mbps (60% likelihood of success)

- Satellite
 - Tier 1: 25Mbps (60% likelihood of success)
 - Tier 2: 150Mbps (50% likelihood of success)
- 2. Education (6 Subgroups)
 - Public K-8 (Elementary & Middle School)
 - Public 9-12 (High School)
 - Private & Parochial K-12
 - Community Colleges
 - State Colleges/Universities
 - Private Colleges/Universities
- 3. Government & Community (5 Subgroups)
 - Government Workforce
 - Government Housing & Related Social Services
 - 501C3 Workforce
 - 501C3 Housing & Related Social Services
 - 501C3 Civic & Political Life

The Game:

Total size of the pie: \$1.25M

Three Stages:

1. How will we split the pie?
 - Should my group get 25%, 50%, or 75%?
2. How will we share my slice?
 - Which one of us should be the hub, and therefore get 2/3 of the slice?
3. How will I serve my share?
 - If I'm a hub, how will my service define what the hubs should do? If I'm acting as a spoke, how will my service connect up with the hubs?

At each stage, the winner will be decided by the "Three Reasons" System - here's an explanation (adapted from Tom Mouat's website on Matrix Games - <http://www.mapsymbols.com/wdmatrix.html#3reasons>):

"In this system each argument is broken down into:

- Something That Happens.
- Three Reasons Why or How.

For Example:

- In a Peninsular War campaign, Wellington might argue:
 - "I shall fortify the town, and I am able to do this because:
 - I have a ready source of trained manpower,
 - I have an experienced Engineer in command, and
 - The British Government has recently sent me the money with which to pay for the work".
- In an X-Files Game, Scully might argue:
 - "I shall spend some time down on the range, so that my shooting improves, because:
 - Practice makes perfect!
 - FBI HQ has very good facilities so it is easy to arrange.
 - The range has well trained instructors who will help me improve".

The arguments themselves are judged by the Umpire based on inherent likelihood, historical precedence, personal experience, and their own judgement (and quite often the other players' judgement), and a chance of success arrived at (percentage dice normally being thrown to see if the result was achieved)."

We'll add one small twist to this: the teams will rank their arguments from strongest to weakest, and will be matched one-to-one at each level. The Umpire (who we'll call the Adjudicator) will then decide which of the matched arguments is the strongest, and give a point to the team with the strongest argument at that level.

- If an argument wins at a higher level, it is removed from consideration at lower levels, even if a different team has made it;
- If a team gets two or three points, they are the winner for that round;
- If three teams each get one point, a die is rolled to decide the winner.

Round 1 of this game has two stages:

- A first stage, where arguments are matched within each community group to construct a master argument set;
- A second stage, where these master arguments are matched against each other to decide how the pie will be split.

The second round has winners contained within each community group, so a single stage for each community group suffices.

The third round only tallies the winner for the spoke role - the hub's argument is taken as a standard that provides a context for deciding the winners here.

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A Game of Access, Book 1: A Song of Hubs and Spokes - Round 1: Splitting the Pie

Congratulations - the fair town of Limonite has been awarded 1.25 million dollars to develop a broadband initiative. The initiative won't just be the broadband service itself, of course - it will also comprise resources that can revitalize your town, to be delivered in a hub-and-spoke model. Three key groups will each play a central role in this project, each acting as a hub: a broadband service provider (to supply physical access), an education provider (to create learning resources for using the service), and a government or 501C3 service provider (to use these resources to achieve community goals). Other providers will play lesser roles, acting as spokes that can facilitate the main mission. You believe - firmly - that your organization should be one of the key hubs. In short, you would like to be one of the winners of this game.

* Required

1. Which organization type are you? *

Mark only one oval.

- 1A - Cable Service Provider
- 1B - Cellular Service Provider
- 1C - Satellite Service Provider
- 2A - Public K-8 (Elementary & Middle School)
- 2B - Public 9-12 (High School)
- 2C - Private & Parochial K-12
- 2D - Community Colleges
- 2E - State Colleges/Universities
- 2F - Private Colleges/Universities
- 3A - Government Workforce
- 3B - Government Housing & Related Social Services
- 3C - 501C3 Workforce
- 3D - 501C3 Housing & Related Social Services
- 3E - 501C3 Civic & Political Life

2. We'd like to get to know you a bit better - describe yourself in 3-5 sentences. What do you see as your history/role in the city? What do you see as your goals, mission? Anything that you see as unique or special? *

3. Time to split up the pie overall - what total share of the pie do you think your overall group (broadband, education, or government/501C3) should get? *

Mark only one oval.

25%

50%

75%

4. This is because (best reason): *

5. And also because (next best reason): *

6. And finally because (last reason): *

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A Game of Access, Book 1: A Song of Hubs and Spokes - Round 2: Sharing the Slice

Now you know the slice of the \$1.25M pie that your group (broadband, education, or government/501C3) got. Of course, there are other organizations in your group - and you want to be the hub in your group - not a lesser spoke. If you're the hub, you'll get 2/3 of your group's slice of the pie. So, it's time to make the strongest case that you should be the hub.

* Required

1. Which organization type are you? *

Mark only one oval.

- 1A - Cable Service Provider
- 1B - Cellular Service Provider
- 1C - Satellite Service Provider
- 2A - Public K-8 (Elementary & Middle School)
- 2B - Public 9-12 (High School)
- 2C - Private & Parochial K-12
- 2D - Community Colleges
- 2E - State Colleges/Universities
- 2F - Private Colleges/Universities
- 3A - Government Workforce
- 3B - Government Housing & Related Social Services
- 3C - 501C3 Workforce
- 3D - 501C3 Housing & Related Social Services
- 3E - 501C3 Civic & Political Life

2. In one sentence, describe the unique thing that you will do, or unique feature that you possess that should make you the hub. *

3. This is because (best reason): *

4. And also because (next best reason): *

5. And finally because (last reason): *

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A Game of Access, Book 1: A Song of Hubs and Spokes - Round 3: Serving my Share

If you won Round 2 in your group - congratulations, you're the hub. If you didn't win - well, you now have a shot at getting the remaining 1/3 of that slice as a partnering spoke. So, if you're the hub, describe what you see as the most important feature of a partner in your group. And if you're vying to become the partnering spoke, describe the most important thing you will do that will make you the best possible partner.

* Required

1. Which organization type are you? *

Mark only one oval.

- 1A - Cable Service Provider
- 1B - Cellular Service Provider
- 1C - Satellite Service Provider
- 2A - Public K-8 (Elementary & Middle School)
- 2B - Public 9-12 (High School)
- 2C - Private & Parochial K-12
- 2D - Community Colleges
- 2E - State Colleges/Universities
- 2F - Private Colleges/Universities
- 3A - Government Workforce
- 3B - Government Housing & Related Social Services
- 3C - 501C3 Workforce
- 3D - 501C3 Housing & Related Social Services
- 3E - 501C3 Civic & Political Life

2. In one sentence, if you're the hub, describe the most important feature of a partner in your group; otherwise, describe the most important thing that you will do that should make you the partnering spoke. *

3. This is because (best reason): *

4. And also because (next best reason): *

5. And finally because (last reason): *

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