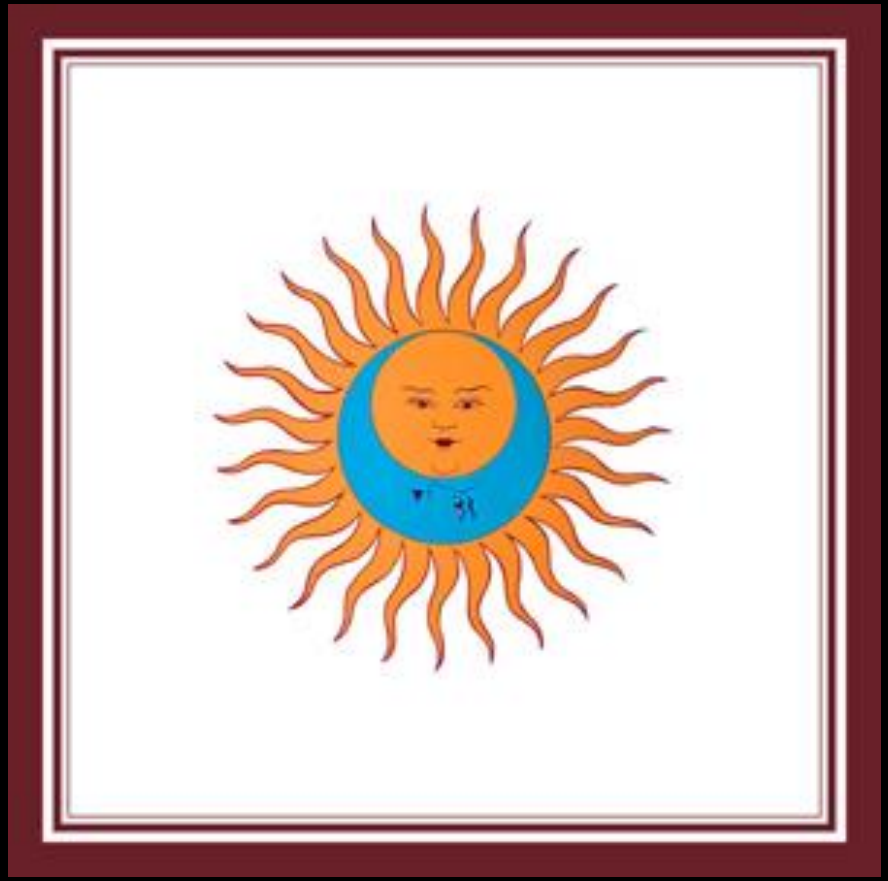
Thinking Like a Magician for Astronomy



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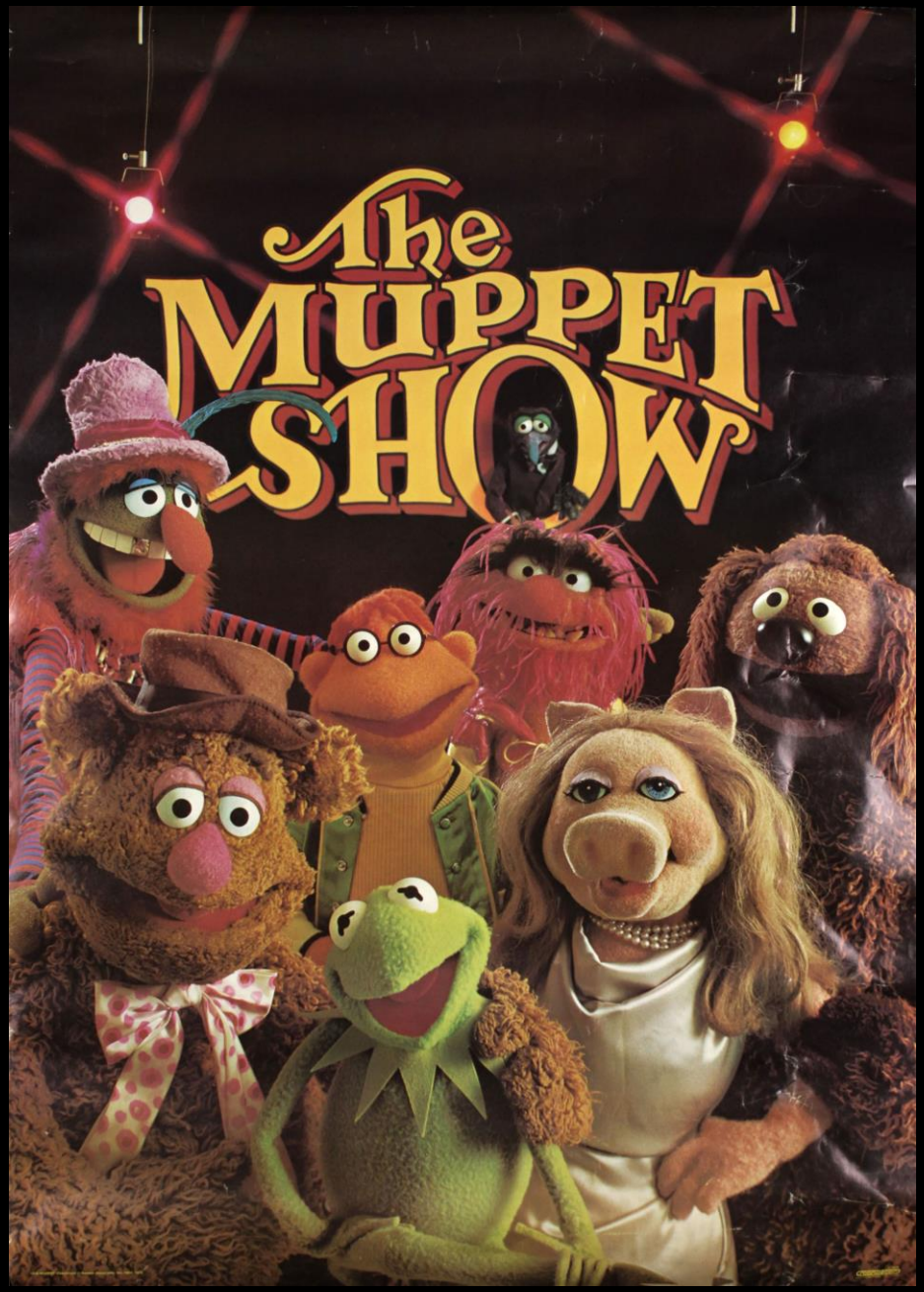

The
MUPPET
SHOW

The Vaudeville Progression

1. The What:

2. The Stage:

3. The Show:

4. The Golden Rule:

The Vaudeville Progression

1. The What: You can't tackle the "Why" and "How" until you address the "What"

2. The Stage:

3. The Show:

4. The Golden Rule:

Example: Galaxy Evolution

Why do Galaxies Evolve?

How do Galaxies Evolve?

Example: Galaxy Evolution

What is a Galaxy?

Why do Galaxies Evolve?

How do Galaxies Evolve?

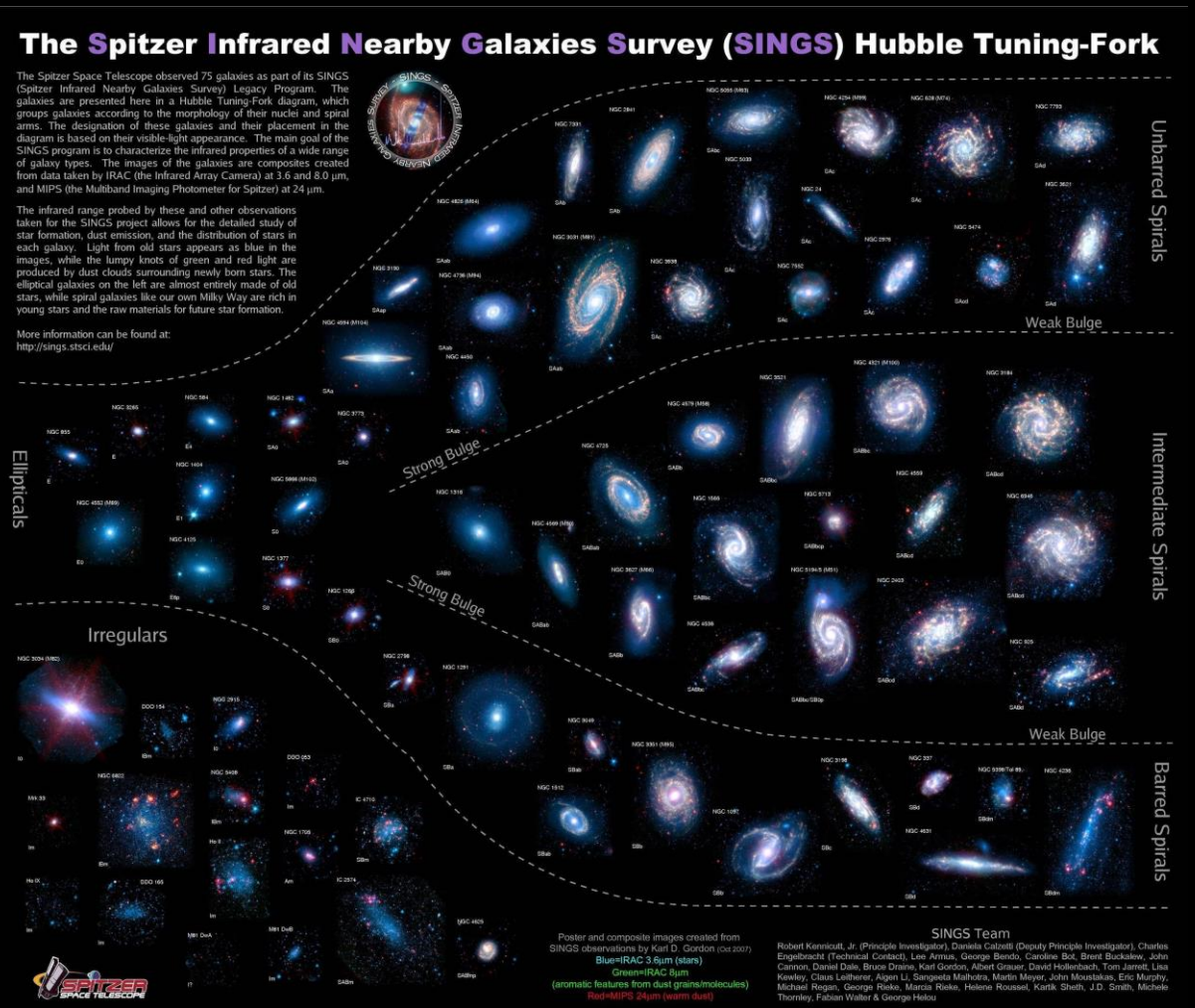
Example: Galaxy Evolution

What is a Galaxy?

Why do Galaxies Evolve?

How do Galaxies Evolve?

What are you trying to show me about Galaxy Evolution?



What are you trying to show me about Galaxy Evolution?

What are you trying to show me about Galaxy Evolution?

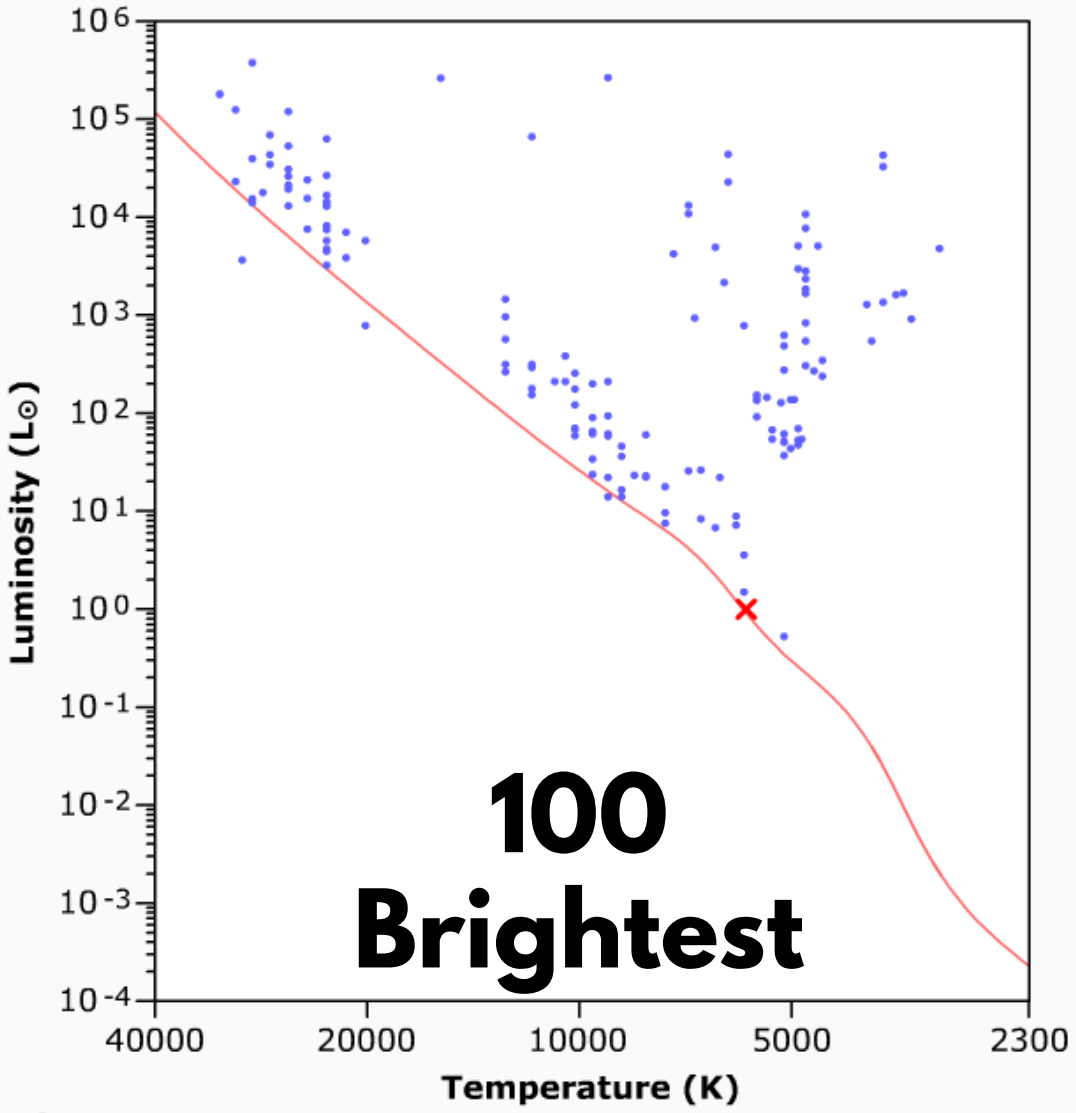
The Vaudeville Progression

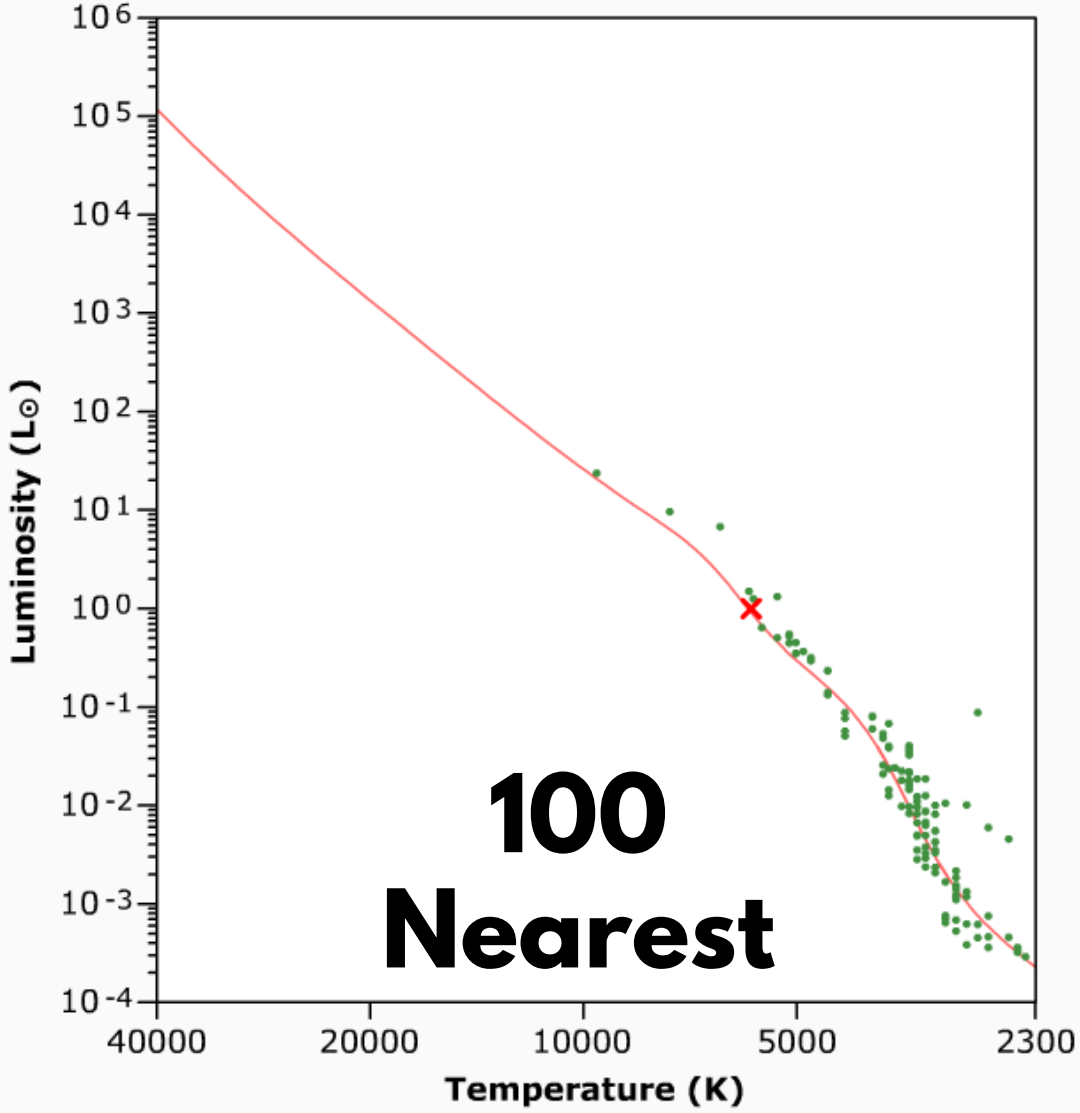
1. The What: You can't tackle the "Why" and "How" until you address the "What"
2. The Stage: Set the stage to ground the audience
3. The Show:
4. The Golden Rule:

The Vaudeville Progression

1. The What: You can't tackle the "Why" and "How" until you address the "What"
2. The Stage: Set the stage to ground the audience
3. The Show: Two Hand Rule
4. The Golden Rule:

Example: Luminosity of Stars





Example: Luminosity of Stars

Example: Luminosity of Stars

Example: Luminosity of Stars

100 Brightest

Example: Luminosity of Stars

100 Nearest

The Vaudeville Progression

1. The What: You can't tackle the "Why" and "How" until you address the "What"
2. The Stage: Set the stage to ground the audience
3. The Show: Two Hand Rule
4. The Golden Rule: Tell the audience what you are going to do. Then do it and tell them it has been done.

Takeaway

Thank you!