

# Logic Games Course Curriculum

# **Introduction to Logic Games**

- Logic Games Goals Overview
- Common Logic Game Components
- ABE's of Logic Games
- Logical Relationships
- Logic Game Types Overview

### **Finding Deductions**

- Rules with Variables in Common
- Rules with Slots or Groups in Common
- Spatial Restrictions
- Not Spots

#### **Power of Proofs**

- Introduction to the Power of Proofs
- Must Be True



- Could Be True
- Must Be False
- Could Be False

### **Lesson 1: Basic Linear Games**

- Universal Rule Notation
- Linear Rule Notation
- Introduction to Basic Linear Games
- Basic Linear Game 1
- Basic Linear Game 2
- Basic Linear Game 3
- Basic Linear Game 4
- Prove The Possibilities
- Options Table Overview
- Prove The Possibilities Game 1

#### Homework 1.1

- Basic Linear practice games

### Homework 1.2

- Basic Linear practice games

### Homework 1.3

- Basic Linear practice games



### Homework 1.4

- Basic Linear practice games

### **Conditional Connections**

- Conditional Connections Overview
- Complex Conditionals
- Triggers for Sufficient Indicator
- Triggers for Necessary Outcome
- Triggers for Indicator and Outcome
- Triggers for Indicator (Negate Outcome)
- Triggers for Outcome (Negate Indicator)
- "Not Both" Rule
- "Either Or" Rule

# **Lesson 2: Two Group Games**

- Grouping Rule Notation
- Introduction to Two Group Games

### Interchangeability

- Interchangeable Variables
- Interchangeable Slots
- Two Group Game 1



- Two Group Game 2
- Two Group Game 3
- Two Group Game 4

### Homework 2.1

- Two Group practice games

#### Homework 2.2

- Two Group practice games

### Homework 2.3

- Basic Linear review games

### Homework 2.4

- Basic Linear review games

### Lessons 1 & 2 Review

- Basic Linear Game
- Prove the Possibilities Game
- Two Group Game

### **Full Logic Games Section 2**

# **Lesson 3: Advanced Linear Games**

- Difficult Rule Notation
- Introduction to Advanced Linear Games
- Advanced Linear Game 1
- Advanced Linear Game 2



- Advanced Linear Game 3
- Advanced Linear Game 4

### Homework 3.1

- Advanced Linear practice games

### Homework 3.2

- Advanced Linear practice games

### Homework 3.3

- Advanced Linear practice games

### Homework 3.4

- Advanced Linear practice games

# Full Logic Games Section 3 Difficult Question Types

- Global vs. Local
- List
- Minimum & Maximum
- All "if...then" Answers
- Fully Determined
- Suspension
- Replacement
- Same Effect



# **Lesson 4: Pure Sequencing**

- Pure Sequencing Rule Notation
- Introduction to Pure Sequencing Games
- Pure Sequencing Game 1
- Pure Sequencing Game 2
- Pure Sequencing Game 3
- Pure Sequencing Game 4

### Homework 4.1

- Pure Sequencing practice games

### Homework 4.2

- Pure Sequencing practice games

#### Homework 4.3

- Basic Linear review games

#### Homework 4.4

- Advanced Linear review games

### **Full Logic Games Section 4**

# Lesson 5: Multi-Group Games

- Introduction to Multi-Group Games
- Multi-Group Game 1
- Multi-Group Game 2



- Multi-Group Game 3
- Multi-Group Game 4

### Homework 5.1

- Multi-group practice games

### Homework 5.2

- Multi-group practice games

### Homework 5.3

- Multi-group practice games

#### Homework 5.4

- Multi-group practice games

# Lessons 3, 4, & 5 Review

- Advanced Linear Game
- Pure Sequencing Game
- Multi-Group Game

### **Full Logic Games Section 5**

# Lesson 6: In/Out Games

- Introduction to In/Out Games
- In/Out Game 1
- In/Out Game 2
- In/Out Game 3



- In/Out Game 4

#### Homework 6.1

- In/Out practice games

#### Homework 6.2

- In/Out practice games

#### Homework 6.3

- Advanced Linear review games

### Homework 6.4

- Basic Linear review games

### **Full Logic Games Section 6**

# **Lesson 7: In/Out Pure Conditional Games**

- Pure Conditional Rule Notation
- Introduction to In/Out Pure Conditional Games
- In/Out Pure Conditional Game 1
- In/Out Pure Conditional Game 2
- In/Out Pure Conditional Game 3
- In/Out Pure Conditional Game 4

### Homework 7.1

- In/Out practice games



#### Homework 7.2

- Multi-Group review games

#### Homework 7.3

- Advanced Linear review games

#### Homework 7.4

- Advanced Linear review games

### **Full Logic Games Section 7**

# **Lesson 8: Orderless Games**

- Introduction to Orderless Games
- Orderless Game 1
- Orderless Game 2
- Orderless Game 3
- Orderless Game 4

### Homework 8.1

- Orderless practice games

### Homework 8.2

- Basic Linear review games

#### Homework 8.3

- Advanced Linear review games



# Lessons 6, 7, & 8 Review

- In/Out Game
- In/Out Pure Conditional Game
- Orderless Game

### **Full Logic Games Section 8**

### **Lesson 9: Distribution Games**

- Introduction to Distribution Games
- Distribution Game 1
- Distribution Game 2
- Distribution Game 3
- Distribution Game 4

#### Homework 9.1

- Distribution practice games

#### Homework 9.2

- Distribution practice games

### Homework 9.3

- Advanced Linear practice games

### Homework 9.4

- Basic Linear practice games

### **Full Logic Games Section 9**



### **Lesson 10: Rare Games**

- Introduction to Rare Games
- Circular Game
- Connection Game
- Mapping Game
- Pattern Game

### Homework 10.1

- Rare practice games

### Homework 10.2

- Rare practice games

### Homework 10.3

- Rare practice games

### Homework 10.4

- Rare practice games

### **Section Strategy**

- -Timing
- -Transferring Answers
- Guessing
- Difficulty Trends

### **Full Logic Games Section 10**

