

# 4MAT Lesson Plan Rubric

MHC/AAM

03/26/02

Quadrant	1	2	3	Score
Quadrant 1, Right Mode: Connecting	The teacher has little or no connecting activity to introduce the concept.	Students are not interested in the activity.	The activity connects learners to the concept in a personal way and directly relates to the concept.	
Quadrant 1 Left Mode: Attending	Students have difficulty in forming small groups.	Students have little interaction in their groups.	This activity is well linked to 1R. Feelings about the activity experience are shared.	
Quadrant 2 Right Mode: Imagining	Learners have difficulty in making the link between the concept and content.	Students have trouble developing and image to depict content.	The created bridge blends the previous experiences of the learners with the concept leading the way for an examination of the expert content. The concept is transformed into a wordless image.	
Quadrant 2 Left Mode: Informing	The teacher lectures without group interaction.	Same as before with the addition of video and or guest expert.	The content is delivered in a developmentally appropriate manner and organized for easy understanding by the students.	
Quadrant 3 Left Mode: Practicing	There are some worksheets and teacher prepared exercises.	Students are at stations at work centers requiring them to engage different learning activities.	Learners are asked to look at information in new ways. In addition, learners prepare practice materials for fellow students.	
Quadrant 3 Right Mode: Extending	Learners are asked to extend the learning into their own lives by discussion.	Learners design real problems with real-world applications.	Many options for are offered and they are created to appeal to each of the four learning styles and require both analyzing and synthesizing.	
Quadrant 4 Left Mode: Refining	The teacher uses tests to evaluate the learning.	Learners participate in self-evaluation, editing, refining and reworking of their learning based on agreed-upon rubrics.	Learners get input from peers and the teacher to assess their learning.	
Quadrant 4 Right Mode: Performing	Learners report/demonstrate/perform what they have learned.	Those who receive the report, demonstration or performance assess positively.	Learners integrate the content by asking complicated questions as a result of the learning.	
Total Points:				



## Brain Processing

### Left Mode – Right Mode

**Left Mode Processing:** Left- Operates best through structure, sequence. Prefers language, is sequential, examines the elements, has number sense. Works to analyze or break down information.

**Right Mode Processing:** Right- Operates out of being, comprehends images, seeks patterns, creates metaphors, is simultaneous. Strives to synthesize, consolidate information.

# Sample 4mat Lesson Plans

**Ensheng Dong**



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## **Table of Contents Sample 4mat Lesson Plans**

1. Understanding the eBook Sample 4mat Lesson Plans
  - The Rise of Digital Reading Sample 4mat Lesson Plans
  - Advantages of eBooks Over Traditional Books
2. Identifying Sample 4mat Lesson Plans
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Sample 4mat Lesson Plans
  - User-Friendly Interface
4. Exploring eBook Recommendations from Sample 4mat Lesson Plans

- Personalized Recommendations
- Sample 4mat Lesson Plans User Reviews and Ratings
- Sample 4mat Lesson Plans and Bestseller Lists
- 5. Accessing Sample 4mat Lesson Plans Free and Paid eBooks
  - Sample 4mat Lesson Plans Public Domain eBooks
  - Sample 4mat Lesson Plans eBook Subscription Services
  - Sample 4mat Lesson Plans Budget-Friendly Options
- 6. Navigating Sample 4mat Lesson Plans eBook Formats
  - ePub, PDF, MOBI, and More
  - Sample 4mat Lesson Plans Compatibility with Devices
  - Sample 4mat Lesson Plans Enhanced eBook Features
- 7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Sample 4mat Lesson Plans
  - Highlighting and Note-Taking Sample 4mat Lesson Plans
  - Interactive Elements Sample 4mat Lesson Plans
- 8. Staying Engaged with Sample 4mat Lesson Plans
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Sample 4mat Lesson Plans
- 9. Balancing eBooks and Physical Books Sample 4mat Lesson Plans
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Sample 4mat Lesson Plans
- 10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
- 11. Cultivating a Reading Routine Sample 4mat Lesson Plans
  - Setting Reading Goals Sample 4mat Lesson Plans
  - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Sample 4mat Lesson Plans

- Fact-Checking eBook Content of Sample 4mat Lesson Plans
- Distinguishing Credible Sources

### 13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
- Exploring Educational eBooks

### 14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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web first off in the peppered moth example the dark allele is dominant just wanted to clear that up before going further usually i would say no the recessive allele cannot become the dominant one it may seem so due to natural selection

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web birdseye view instructions open the simulation and play the role of the bird in both the dark and the light forest try to behave as a bird would behave choosing the moths that are the most obvious at the end of each simulation record the percent

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web 1 describe how the population of moths changed in each generation for both the newspaper and the white moths 2 what moth coloration is the best adaptation for a dark newspaper background how do you know 3 how does the simulation model natural selection 4 examine the table and construct a graph

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web the only factor different between the two types of moths is the color of the wings your role in the simulation is that of a predator guide the bird with the mouse to the moths click on the moth with the mouse to eat the moth every time you eat a moth you will hear the crunch of an exoskeleton if you miss the moth you will hear the bird call

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web guide the bird to the moths click on the moth to eat it you have one minute to eat as many moths as you can see what impact eating more light or dark moths has on moth population

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web the chance that the bird will see and eat the moth depends on the color contrast between insect and bark the predation will range from 0 to 50 or from 0 to 99 which can be selected by the user the relation between color contrast and percentage predation can be a straight line or a curved line see graphs below

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