The Folding-Back Presentation – Counts as a DOUBLE project grade

**General Overall Product:** You and your partner(s) will give a 20-25 minute presentation on a topic *related* to concepts we learned from units 1-4 and/or brain training journals. You must get approval from me before delving into the preparation process.

**Expectations on the environment of the presentation:**

1. A Student-centered atmosphere
2. 2-3 activities with easy transitions and strong connections … Growth in ideas … Rigor present?
3. Manageable content … How quickly can you engage their minds? The KEY to your presentation.
4. Fluidity … Does your presentation convey preparation/practice … Does it demonstrate understanding

Use the rubric as a guide for developing the scope and quality of your presentation.

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| Details of the Presentation | 7 | 5 | 3 | 2 | 1 |
| 1. Purpose and focus are clear and consistent |  |  |  |  |  |
| 1. The main concept(s) is/are clearly identified and significant |  |  |  |  |  |
| 1. Organization is purposeful, effective, and appropriate |  |  |  |  |  |
| 1. Employs a student-centered environment that is engaging and useful |  |  |  |  |  |
| 1. Effectiveness of Opening … A strong hook? Strength of Questioning |  |  |  |  |  |
| Content Delivery |  |  |  |  |  |
| 1. Information and evidence are accurate, appropriate, and integrated effectively – use of graphic organizers |  |  |  |  |  |
| 1. Ideas are well articulated and clear … Fluidity of Presentation |  |  |  |  |  |
| 1. Alternative perspectives are carefully considered and represented |  |  |  |  |  |
| Critical Thinking |  |  |  |  |  |
| 1. Connections between and among ideas are made coherent |  |  |  |  |  |
| 1. Independent thinking is evident ... Creativity - Originality |  |  |  |  |  |
| 1. Level of Rigor … Depth of conceptual development |  |  |  |  |  |
| Assignment Specific Criteria |  |  |  |  |  |
| 1. Time Management & Planning & Preparations |  |  |  |  |  |
| 1. Appropriate for audience and “relates” to our course |  |  |  |  |  |
| Overall Effect Excellent 9 Competent 7 Not Acceptable 1 |  |  |  |  |  |
| Grade [100 points]:  ***Note:* Final score of presentation could be different for presenters on the same team** |  | | | | |
| Comments: | | | | | |

SOME POTENTIAL PRESENTATION IDEAS

1. Combinatorics Experiment … Counting Creatively
2. Using Matrices in a NEW ways … Compositional Algorithms
3. Graph Theory – Kruskal vs Prim
4. Learning the Logic of Logic Puzzles
5. Use of other Base Systems
6. Number Theory “Tricks”
7. Historical Constructions … Open to two groups per class
8. Ciphering Techniques
9. Game Theory
10. Expected Value Experiment

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| TOPIC | ICM 3 | ICM 4 |
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