

Minnesota State University Moorhead College for Kids - Talented and Gifted [TAG] Edition

ANALYTICAL THINKING

COURSE DESCRIPTION:

CALLING ALL STEAM RESEARCHERS!

WE NEED YOU IN OUR "Analytical Thinking" TAG COURSE! THIS COURSE IS FOR THE LEARNER WHO LOVES PROBLEM-SOLVING WITH MATH AND SCIENCE, MIXED WITH YOUR OWN CREATIVE APPROACH. PREPARE YOUR SKILLS IN ANALYTICAL AND CRITICAL THINKING AND PREPARE TO INVESTIGATE TODAY'S MOST EXCITING STEAM QUESTIONS.

TAG COURSES THROUGH MSUM'S COLLEGE FOR KID'S PROGRAM ARE DESIGNED THROUGH A PROJECT- AND PROBLEM-BASED APPROACH

Inquiry-Based Approach to Learning

CREATIVE THINKING + NON-TRADITIONAL INTELLECT + SPECIFIC APTITUDE + PSYCHOMOTOR SKILLS + LEADERSHIP + VISUAL AND PERFORMING ARTS



Understanding

- SELECT THE TOPIC YOU WANT TO INVESTIGATE
- FAMILIARIZE YOURSELF WITH YOUR TOPIC AND DISCOVER QUESTIONS REGARDING IT
- CLARIFY YOUR FOCUS
- POSE A RESEARCH QUESTION

Planning

- PLAN YOUR PROJECT
- FIND MODELS AND EXAMPLES TO HELP PREPARE YOUR DESIGN
- DESIGN YOUR PROJECT
- GENERATE STEPS TO SOLVE YOUR PROBLEM/CREATE YOUR PROJECT
- PLAN YOUR HYPOTHESIS

Investigating

- TEST YOUR HYPOTHESIS
- IMPLEMENT YOUR PROJECT PLAN
- GENERATE YOUR PRODUCT TO ANSWER YOUR RESEARCH QUESTION
- DECIDE ON A PRESENTATION/ PERFORMANCE PLATFORM

Deliberation

- PRESENT YOUR FINDINGS
- REFLECT WITH YOUR PEERS AND MENTORS
- ENGAGE IN METACOGNITIVE REFLECTION STEPS
- DECIDE ON WAYS TO EXTEND YOUR PROJECT

WHICH TAG COURSE IS RIGHT FOR ME? TAKE OUR **INTEREST QUIZ!**

MSUM TAG Courses are built for learners who:

- ✓ ARE INDEPENDENT
- ✓ ARE COMFORTABLE USING RESOURCES
- ✓ ARE COMFORTABLE WORKING WITH ABSTRACT CONCEPTS
- ✓ ARE GOAL-SETTERS
- ✓ ARE USED TO MAKING DECISIONS BASED ON DATA
- ✓ ARE ABLE TO PROBLEM-SOLVE
- ✓ ARE COMFORTABLE DRAWING CONCLUSIONS
- ✓ ARE EAGER TO LEARN
- ✓ ARE WILLING TO TEST DIFFERENT THEORIES
- ✓ ARE ADVENTUROUS AND CREATIVE

Join us!

JUNE 13 - 19



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