

SCIENCE CONCEPT PLANNER

Science Topic  
**Metal**

Uses

Concept  
Characteristics

Concept

Properties

Reference:  
Leah's dad  
YouTube  
Bookmobile  
UD Engineering School

Experience\*Make jewelry with metal  
Standard: Coordinates use of hands/fingers/wrist to perform tasks requiring precise movement  
Developmental Domain: Physical

Experience\* Use foil to make creations to discover malleable  
Standard: Manipulate position and motion of objects  
Developmental Domain: Cognitive

Experience\*Solder metal or use hot glue gun to discover fusible  
Standard: Demonstrates understanding that rules help promote safety and fairness  
Developmental Domain: Cognitive

Experience\*Construct structures with metal  
Standard: Carries out projects (can maintain interest over time) from beginning to end  
Developmental Domain: Social/emotional

Experience\* Use silly putting to explore how metal turns to wire  
Standard: Make inferences, generalizations and explanations based on evidence  
Developmental Domain: Cognitive

Experience\*Use metal for art creations  
Standard: Uses imagination and creativity in interactions with materials and objects  
Developmental Domain: Aesthetic

Experience\*Make creations with pipe cleaners to explore malleable  
Standard: Connects words and use  
Developmental Domain: Language

Experience\*Homework to document items found at home that are made of metal  
Standard: Collects data by categories to answer questions  
Developmental Domain: Cognitive

Experience\* Use paper clips to make creation to explore malleable  
Standard: Coordinates use of hands/fingers/wrist to manipulate objects  
Developmental Domain: Physical

Experience\* Use magnets to identify ferromagnetic properties  
Standard: Understands new words from variety settings  
Developmental Domain: Language

Experience\* Use vinegar to clean a penny  
Standard: Recognize properties of objects/materials  
Developmental Domain: Cognitive

Experience\*Observe Ms. Joys rust on her car and discuss.  
Standard: Engages in extended, reciprocal conversations  
Developmental Domain: Social/emotional