

# MIDDLE SCHOOL SCIENCE CLASSROOM

## DESCRIPTION

Middle school science classrooms will be utilized for a variety of science subjects. The spaces should be flexible to accommodate both lecture and lab activities. The curriculum will utilize both large and small group instruction in a project-based environment. Science classrooms should also be able to accommodate a variety of lessons associated with Science Technology Engineering and Math (STEM) such as robotics, hydroponics, computer technology/coding or maker space as examples.

## ACTIVITIES

Middle school science classrooms should include two walls of base cabinets and upper cabinets with counter space and a minimum of four sinks. Retractable electrical outlets should be incorporated into the ceiling and coordinated with possible furniture layouts for group instruction and experiments. There should be ample tack surface on available wall space. A direct connection to an outdoor learning space is desirable if possible.



Jordan Middle School - Jordan, MN

**Space Type:**

Middle School Science Classroom

**Space Uses:**

General Instruction

**Grade Level:**

6th through 8th

**Size:**

1,250 square feet

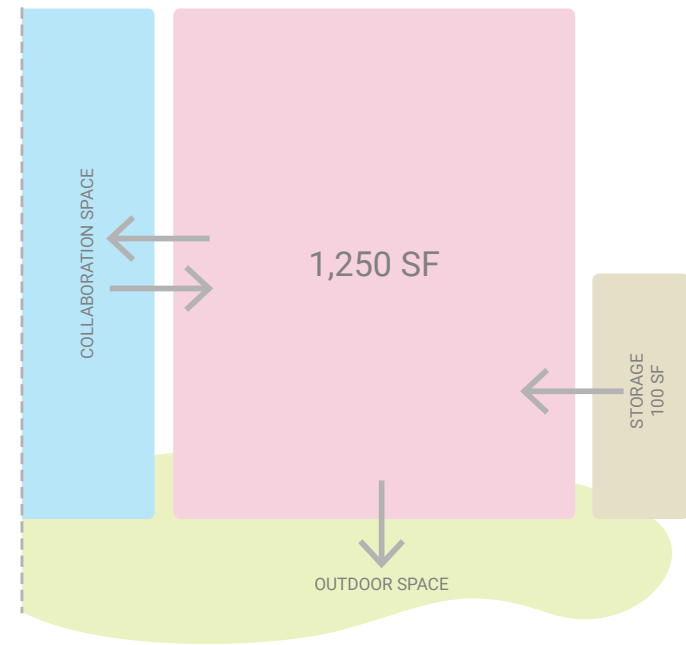
**Occupants:**

Up to 30

**Support Spaces:**

Storage

Outdoor Learning



**Space Characteristics**

- Resilient flooring (concrete acceptable)
- Acoustic ceiling tile
- Tackable wall surfaces (25%)
- Writable wall surfaces (10%)
- Connection to outdoor learning
- Adjacent to storage room for supplies and student projects

**Technology**

- Telephone/intercom handset, VOIP
- Data outlets for local area network connection
- Wireless connectivity throughout
- Band width for one-to-one ratio
- Interactive large-scale display screen (minimum 84 inches)
- One or more 42-inch monitors (minimum)
- Device charging stations

**Special Considerations**

- Flexible furniture – grade level appropriate
- Tall storage (minimum 12 linear feet)
- Base and upper cabinets (minimum of 48 linear feet)
- Acid and heat resistant countertops
- Acoustic considerations for space uses which may be disruptive to adjacent spaces
- Instructor demonstration table

**Building Systems**

- HVAC connected to district's EMS system
- Room temperature control
- Sinks (minimum of four)
- Electrical drops (retractable) if space use requires
- Segregated power connection for iPad/Chromebook charging carts

**Sustainability**

- Daylighting
- Indirect LED light fixtures
- Installation of Bio Phase-Change Material above ceiling grid
- Low VOC-emitting materials
- Connection to curriculum (visual display, sustainability features labeled, etc.)
- Locally sourced, durable, low (no) maintenance materials