

Plainfield Public School District
Maxon Middle School

Teacher: Ms. Allain

Unit: Earth Science

Goals and Objectives
Imagine and illustrate themselves as scientists and interpret common stereotypes associated with scientists in society using focus questionnaires and gathering specific evidence observed in classmates artwork. Measured by written observations of the artwork and on a rubric of 1-12 with a score of 83% or better.
Opening
Review procedures and routines for science vocabulary graphic organizer. Begin and complete Marzano vocab graphic organizer for term "Science" section 1.1 in textbook. Collect take home quiz Spongebob Controls and Variables Part 2
Instructional Chunk
Teacher instructs students to fold paper in half "sandwich style" and then close eyes, imagine how a football player looks, and share responses. Next, imagine what a dancer looks like and share responses. Finally imagine what a scientist looks like and draw that image/words/pictorials on one half of the paper meeting rubric requirements which are read aloud. Students individually complete drawing of a scientist then observe classmates work and gather evidence observed using focus questionnaire Part 1. Class discusses findings with guided focus questions Part 1. Teacher instructs students to individually draw on the other half of the paper a picture of themselves as scientists. Students complete drawings and questions for Part 2 independently then share out responses in groups.
Centers
small groups independent practice
Adaptations/ Modification/ Tiering
Provide dictations, verbal cues, and plenty of wait time for Q & A A=. Provide multiple graphic aides. Allow extra time for completion. Encourage peer support in small groups. <u>Repeat and modify instructions as needed.</u>
Resources and Materials
Interactive Science Journal Earth Science textbook white construction paper rubric markers/colored pencils Draw a Scientist handouts Part 1 & 2 Promethean
Technology Integration
Promethean
Closing
Student shared responses to Part 2 questions in small groups.
Assessments
Formal summative assessment of HW Controls and Variables Part 2 Informal written and oral formative assessments with Draw a Scientist activity Part 1 questionnaire. Formal written formative assessment of drawing to meet rubric requirements. Informal written and oral summative assessment with Part 2 discussion.
Standards
1. 5.1C Grade 8 CPI 01 -Monitor ones own thinking as understandings of scientific concepts are refined. 2. 5.1C Grade 8 CPI 02 -Revise predictions or explanations on the basis of discovering new evidence, learning new information, or using models. 3. 5.10 Grade 8 CPI 01 -Engage in multiple forms of discussion in order to process, make sense of, and learn from others ideas, observations, and experiences.