



# Welcome to Science Academic Night

February 15, 2018



## Purpose of tonight:

1. Connect school and families through content activities.
2. Inform parents of content activities for specific classes.
3. Jumpstart conversations between parents and students around school related topics.
4. Showcase activities in science.
5. Identify career areas where science is important.

# SMS Science Teachers

Mrs. Metzgar	Grade 8 and Grade 6
Ms. Drew	Grade 7 and Grade 6
Mr. Miller	Grade 8 and Earth Science
Mr. Hollifield	Grade 6
Mr. Beckner	Grade 6
Dr. Gaudreau	MCPS Science Administrator

# Middle School Science Courses

Science 6 - physical science with focus on earth and space

Science 7 - life science processes

Science 8 - physical science with chemistry and physics content

Earth Science - rocks, minerals, natural processes, weather, astronomy

# Middle School Science SOL

8th grade only

Cumulative SOL test - grades 6, 7 & 8 science

Based on 2003 Standards of Learning

# Science SOL Content

Scientific Method 10/50 questions = 20%

Earth and Space Systems 11/50 questions = 22%

Life science Processes and Ecosystems 14/50 questions = 28%

Force, Motion, Energy and Matter - 15/50 questions = 30%

# High School Science Courses

Earth Science\*

Biology\*

Chemistry\*

Physics

Environmental Science

Dual Enrolled Biology

Anatomy and Physiology

\* SOL test associated with the course

# Science Career Areas

[Science, Engineering, Technology and Mathematics career cluster](#)

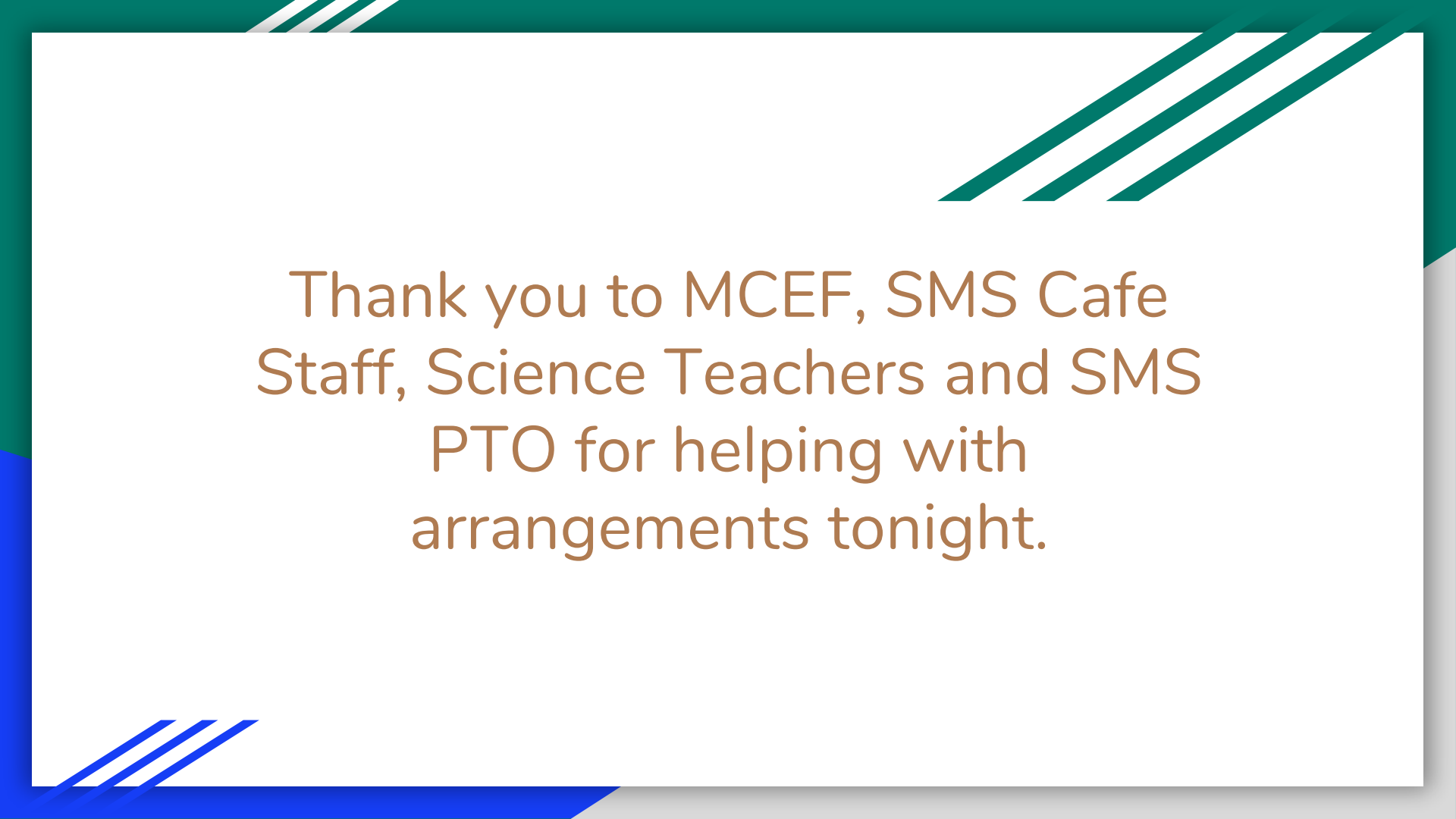
Questions to ask:

Do you like to explore new ideas and test them methodically?

Do you want to know how things work?

Do you enjoy designing and problem solving?





Thank you to MCEF, SMS Cafe  
Staff, Science Teachers and SMS  
PTO for helping with  
arrangements tonight.

# Important Dates for SMS Mustangs

Feb 16 - Interim Progress Reports sent home

Mar 1 - Reading Academic Night 6-7:30

Mar 13 & 14 - Writing SOL (Grade 8) and simulations (grades 6 & 7)

Mar 19-23 - Scholastic Book Fair (Family Night on Mar 19 4:30-6)

Mar 19-23 - Parent Teacher Conference Week

Mar 21 - End of 3rd Quarter

Mar 28 - Report Cards sent home for 3rd qtr.

Mar 30 and Apr 2 - Spring Break

SOL testing begins May 8

# Locations for activities

(conclude by 7:30 pm)

Grade 6 - Rooms 301 and 306 - Augmented Reality Sand Table - discover how technology and science work together; see how the trout are growing

Grade 7 - Cafeteria - Extract DNA and compare DNA strands across fruits and vegetables

Grade 8 - Room 100 - Build a simulated roller coaster to experience force, motion and friction in action

Earth Science - Room 100 - Experience static electricity with a Van de Graf machine and identify rocks and minerals found locally and regionally