

STEM_{education}

LEVEL 2

INTERMEDIATE STEM SEVENTH GRADE CURRICULUM

What is STEM?

STEM represents the fields of **S**cience, **T**echnology, **E**ngineering, and **M**athematics. This course is designed as an introductory overview of practical theories and practices of these fields and how they are implemented in the real world.

Canvas Learning Platform



Canvas is home to all assignments for this STEM Course. Once in Canvas, students will see the STEM Course Tile shown above.

All assignments will be built into weekly modules and include:

- A weekly overview
- The Science World Weekly Activities
- The Digital Tools Weekly Activities
- The Projects and/or Skills Activities

How is this course graded?

Projects = 50% of overall grade

- Paper Coaster Project
- Building Structures
- Video Game Design
- Drones
- Dream Home Project
- Shark Anatomy & Dissection

Digital Tools = 15% of overall grade

- Presentations Certification
- Game Design Certification

Skills = 15% of overall grade

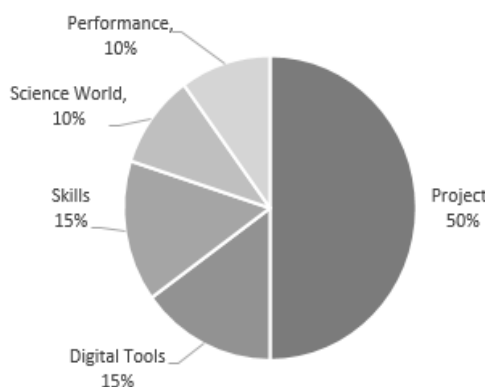
- Speed • Acceleration • Velocity
- Coordinate Grids
- Newton's Laws

Science World = 10% of grade

- Science World Magazine Current Events

Performance = 10% of grade

- Weekly Performance and Effort



All grades can be found on
the Focus Parent Portal

Grades are updated weekly

STEM Activity Fee

\$15.00

This course uses non-traditional building materials from various vendors. We collect a \$15 activity fee to buy these materials to ensure students get a fun hands-on experience. See attached form for more information.

Online Payments via eFunds for Schools

Please see the form attached for more information about online payments

Checks or Cash Payments

Please submit any cash or checks to Mr. Miller.

Please make checks payable to **Deerlake Middle School**

School Schedule & Rotations

A Period

9:30 a.m. to 10:25 a.m.

B Period

10:29 a.m. to 11:19 a.m.

C Period

11:23 a.m. to 1:05 p.m.

1st Lunch → 11:25 a.m. to 11:55 a.m.

2nd Lunch → 12:30 p.m. to 1:00 p.m.

D Week Rotation | A • B • C • D • E • F

D Week Schedule | Rotation #1

D Period → 1:11 p.m. to 2:01 p.m.

E Period → 2:05 p.m. to 2:55 p.m.

F Period → 2:59 p.m. to 3:50 p.m.

E Week Rotation | A • B • C • E • F • D

E Week Schedule | Rotation #2

E Period → 1:11 p.m. to 2:01 p.m.

F Period → 2:05 p.m. to 2:55 p.m.

D Period → 2:59 p.m. to 3:50 p.m.

F Week Rotation | A • B • C • F • D • E

F Week Schedule | Rotation #3

F Period → 1:11 p.m. to 2:01 p.m.

D Period → 2:05 p.m. to 2:55 p.m.

E Period → 2:59 p.m. to 3:50 p.m.

CONTACT

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Level 1

Introduction to STEM
6th Grade | Mr. Miller

Level 2

Intermediate STEM
7th Grade | Mr. Miller

Level 3

Advanced STEM
8th Grade | Ms. Knauf

3rd Nine Weeks | January to March 2025

| WEEK #19 D WEEK A • B • C • D • E • F | |
|---|---|
| JANUARY 06 | TEACHER PLANNING DAY → NO SCHOOL |
| JANUARY 07 | TEACHER PLANNING DAY → NO SCHOOL |
| JANUARY 08 | Welcome to STEM / Policies & Procedures |
| JANUARY 09 | Policies & Procedures / 5 Things Presentation |
| JANUARY 10 | POLICIES & PROCEDURES / STEM Challenge |
| WEEK #20 E WEEK A • B • C • E • F • D | |
| JANUARY 13 | Policies & Procedures / Science World |
| JANUARY 14 | Project #1 → Paper Coaster Project |
| JANUARY 15 | Project #1 → Paper Coaster Project |
| JANUARY 16 | Project #1 → Paper Coaster Project |
| JANUARY 17 | UCertify Digital Tools → Database Essentials |
| WEEK #21 F WEEK A • B • C • F • D • E | |
| JANUARY 20 | MARTIN LUTHER KING JR. DAY – NO SCHOOL |
| JANUARY 21 | Science World Magazine → Current Events |
| JANUARY 22 | Project #1 → Paper Coaster Project |
| JANUARY 23 | Project #1 → Paper Coaster Project |
| JANUARY 24 | UCertify Digital Tools → Database Essentials |
| WEEK #22 D WEEK A • B • C • D • E • F | |
| JANUARY 27 | Science World Magazine → Current Events |
| JANUARY 28 | Project #1 → Paper Coaster Project |
| JANUARY 29 | Project #1 → Paper Coaster Project |
| JANUARY 30 | Project #1 → Paper Coaster Project |
| JANUARY 31 | UCertify Digital Tools → Database Essentials |
| WEEK #23 E WEEK A • B • C • E • F • D | |
| FEBRUARY 03 | Science World Magazine → Current Events |
| FEBRUARY 04 | Skill #1 → Speed • Acceleration • Velocity |
| FEBRUARY 05 | Skill #1 → Speed • Acceleration • Velocity |
| FEBRUARY 06 | Skill #1 → Speed • Acceleration • Velocity |
| FEBRUARY 07 | UCertify Digital Tools → Database Essentials |
| WEEK #24 F WEEK A • B • C • F • D • E | |
| FEBRUARY 10 | Science World Magazine → Current Events |
| FEBRUARY 11 | Project #2 → Building Structures |
| FEBRUARY 12 | Project #2 → Building Structures |
| FEBRUARY 13 | Project #2 → Building Structures |
| FEBRUARY 14 | UCertify Digital Tools → Database Essentials |
| WEEK #25 D WEEK A • B • C • D • E • F | |
| FEBRUARY 17 | PRESIDENT'S DAY → NO SCHOOL |
| FEBRUARY 18 | Science World Magazine → Current Events |
| FEBRUARY 19 | Project #2 → Building Structures |
| FEBRUARY 20 | Project #2 → Building Structures |
| FEBRUARY 21 | UCertify Digital Tools → Database Essentials |
| WEEK #26 E WEEK A • B • C • E • F • D | |
| FEBRUARY 24 | Science World Magazine → Current Events |
| FEBRUARY 25 | Project #2 → Building Structures |
| FEBRUARY 26 | Project #3 → Video Game Design |
| FEBRUARY 27 | Project #3 → Video Game Design |
| FEBRUARY 28 | UCertify Digital Tools → Database Essentials Last Day to Certify for Database Essentials |
| WEEK #27 F WEEK A • B • C • F • D • E | |
| MARCH 03 | Science World Magazine → Current Events |
| MARCH 04 | Project #3 → Video Game Design |
| MARCH 05 | Project #3 → Video Game Design |
| MARCH 06 | Project #3 → Video Game Design |
| MARCH 07 | Project #3 → Video Game Design |
| SPRING BREAK ***** | |
| MARCH 10 | SPRING BREAK → NO SCHOOL |
| MARCH 11 | SPRING BREAK → NO SCHOOL |
| MARCH 12 | SPRING BREAK → NO SCHOOL |
| MARCH 13 | SPRING BREAK → NO SCHOOL |
| MARCH 14 | SPRING BREAK → NO SCHOOL |

Please Note:

Some smaller activities may be shifted or dropped to allow for Deerlake Events or State Mandated Testing.

4th Nine Weeks | March to May 2025

| WEEK #28 D WEEK A • B • C • D • E • F | |
|---|---|
| MARCH 17 | TEACHER PLANNING DAY → NO SCHOOL |
| MARCH 18 | Policies & Procedures / Science World |
| MARCH 19 | Project #3 → Video Game Design |
| MARCH 20 | Project #3 → Video Game Design |
| MARCH 21 | UCertify Digital Tools → Web Design |
| WEEK #29 E WEEK A • B • C • E • F • D | |
| MARCH 24 | Science World Magazine → Current Events |
| MARCH 25 | Project #4 → Drones |
| MARCH 26 | Project #4 → Drones |
| MARCH 27 | Project #4 → Drones |
| MARCH 28 | UCertify Digital Tools → Web Design |
| WEEK #30 F WEEK A • B • C • F • D • E | |
| MARCH 31 | Science World Magazine → Current Events |
| APRIL 01 | Project #4 → Drones |
| APRIL 02 | Project #4 → Drones |
| APRIL 03 | Project #4 → Drones |
| APRIL 04 | UCertify Digital Tools → Web Design |
| WEEK #31 D WEEK A • B • C • D • E • F | |
| APRIL 07 | Science World Magazine → Current Events |
| APRIL 08 | Skill #2 → Coordinate Grids |
| APRIL 09 | Skill #2 → Coordinate Grids |
| APRIL 10 | Skill #2 → Coordinate Grids |
| APRIL 11 | UCertify Digital Tools → Web Design |
| WEEK #32 E WEEK A • B • C • E • F • D | |
| APRIL 14 | Science World Magazine → Current Events |
| APRIL 15 | Project #5 → Dream Home Design |
| APRIL 16 | Project #5 → Dream Home Design |
| APRIL 17 | UCertify Digital Tools → Web Design |
| APRIL 18 | SPRING HOLIDAY → NO SCHOOL |
| WEEK #33 F WEEK A • B • C • F • D • E | |
| APRIL 21 | Science World Magazine → Current Events |
| APRIL 22 | Project #5 → Dream Home Design |
| APRIL 23 | Project #5 → Dream Home Design |
| APRIL 24 | Project #5 → Dream Home Design |
| APRIL 25 | UCertify Digital Tools → Web Design |
| WEEK #34 D WEEK A • B • C • D • E • F | |
| APRIL 28 | Science World Magazine → Current Events |
| APRIL 29 | Skill #3 → Newton's Laws |
| APRIL 30 | Skill #3 → Newton's Laws |
| MAY 01 | Skill #3 → Newton's Laws |
| MAY 02 | UCertify Digital Tools → Web Design |
| WEEK #35 E WEEK A • B • C • E • F • D | |
| MAY 05 | Science World Magazine → Current Events |
| MAY 06 | Project #6 → Models: Shark Anatomy Model |
| MAY 07 | Project #6 → Models: Shark Anatomy Model |
| MAY 08 | Project #6 → Models: Shark Anatomy Model |
| MAY 09 | UCertify Digital Tools → Web Design |
| WEEK #36 F WEEK A • B • C • F • D • E | |
| MAY 12 | Science World Magazine → Current Events |
| MAY 13 | Project #6 → Models: Shark Anatomy Model |
| MAY 14 | Project #6 → Models: Shark Anatomy Model |
| MAY 15 | Project #6 → Models: Shark Anatomy Model |
| MAY 16 | UCertify Digital Tools → Web Design Last Day to Certify for Web Design |
| WEEK #37 D WEEK A • B • C • D • E • F | |
| MAY 19 | Skill #4 → Dissection Procedures |
| MAY 20 | Skill #4 → Dissection Procedures |
| MAY 21 | Final Exams: A Period Final Exams: B Period → Shark Dissection |
| MAY 22 | Final Exams: C Period Final Exams: D Period |
| MAY 23 | Final Exams: E Period Final Exams: F Period → Shark Dissection ***** END OF FOURTH NINE WEEKS ***** |