



Course Title: Engineering 7

Content Area: Technology Education

Grade Level: 7

Scope and Sequence

| Unit or Topic | Standards | Length of Time | Key Content | Assessment Tools | Scaffolding Strategies (Inteventions, Special Education) | Resources and Materials |
|----------------------------|----------------------------------|----------------|---|------------------|---|--|
| Inch Measuring | M7.B M7.B.2 | 2 periods | Students will learn how to measure to the nearest 1/16" | Teacher created | students are allowed to complete the assignment over if they want to. | All content is teacher Created and posted in Blackboard. |
| Mousetrap Car Research | CC.1.3.7.B | 2 periods | Students will research independently for ways to build their car to achieve the greatest distance during testing. | Teacher created | students are allowed to complete the assignment over if they want to. | All content is teacher Created and posted in Blackboard. |
| Mousetrap Car Design | 3.2.10.D M7.B | 2 periods | Students will create the design for the project. | Teacher created | students are allowed to complete the assignment over if they want to. | All content is teacher Created and posted in Blackboard. |
| Mousetrap Car Construction | 3.2.10.D 3.7.7.A M7.B | 2 periods | Students will build their project. | Teacher created | students are allowed to complete the assignment over if they want to. | All content is teacher Created and posted in Blackboard. |
| Mousetrap Car Testing | M7.A.3.2.1 M7.A.3.2.2 M7.B | 3 periods | Students will test the mousetrap car to determine how well they solved the problem. | Teacher created | students are allowed to complete the assignment over if they want to. | All content is teacher Created and posted in Blackboard. |
| Mousetrap | 3.2.10.D | 2 | Students will create an | Teacher | students are allowed | All content is teacher |



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|--------------------------------|--|--------------|---|--------------------|--|--|
| Car Advertisement | CC.1.4.8.B CC.1.5.8.F | periods | advertisement to sell their mousetrap car. | created | to complete the assignment over if they want to. | Created and posted in Blackboard. |
| Mousetrap Car Report | CC.1.4.7.A CC.1.4.7.B CC.1.4.7.C CC.1.4.7.D | 2 periods | Students will complete a 4 paragraph report about the mousetrap car. | Teacher created | students are allowed to complete the assignment over if they want to. | All content is teacher Created and posted in Blackboard. |