




## HONORS STEM PROJECT: INTRODUCTION

<b>C</b>	<b>M</b>	<b>H</b>	<b>S</b>
			$\pi$
<b>S</b>	<b>T</b>	<b>E</b>	<b>M</b>

The Caddo Magnet High Science department is pleased to announce a significant change to our Honors science program. We have redesigned “Science Fair” and renamed it the Honors STEM Project. We are excited about the potential benefits for our students. We hope that the Honors STEM Project will:




- Allow students who enjoy investigating a scientific question to pursue that question as they would have in past years.
- Allow students to solve a problem with the engineering design process.
- Ensure that the responsibility for completing this project lies on the student.
- Decrease the stress associated with choosing and completing these projects.
- Encourage the use of school resources, especially our renovated Maker Space where students can design, print, and carve components for their projects.
- Continue to allow our students to compete at the national level and beyond earning scholarship money as well as other honors and opportunities.

Many parts of the Honors STEM Project will be familiar to those who have done Science Fair in the past. Teachers will be happy to clarify the changes and any other questions parents and students have.

Constant innovation is one of the ways Caddo Magnet High has earned its reputation for excellence in science education. The Honors STEM Project is our newest strategy to prepare your students to become the scientists of tomorrow.

*The Caddo Magnet Science Faculty*

# HONORS STEM PROJECT: TIMELINE AND PART I

<b>C</b>	<b>M</b>	<b>H</b>	<b>S</b>
			$\pi$
<b>S</b>	<b>T</b>	<b>E</b>	<b>M</b>

The timeline below should be followed for the Honors STEM Project for the 2018-2019 school year. All dates before the school fair are subject to change by individual instructors.




Parent signature sheet signed and returned	August 20 <sup>th</sup>
Topic choice help sessions	August, dates and times TBA
<b>Part I: Initial Proposal</b>	<b>September 4<sup>th</sup></b>
<b>*Part II: Proposal – Due to Turnitin.com</b>	<b>September 17<sup>th</sup></b>
<b>Part III: Research Paper and Model Design – Turnitin</b>	<b>October 30<sup>th</sup></b>
School Lab Available	November 5-16 <sup>th</sup> , dates TBA
<b>Part IV: Initial Data and Test Results – Turnitin</b>	<b>December 3<sup>rd</sup></b>
<b>Part V: Revisions and Conclusions – Turnitin</b>	<b>January 9<sup>th</sup></b>
<b>Part VI: Backboard and Presentation – In class</b>	<b>January 14<sup>th</sup></b>
CMHS School Science and Engineering Fair	January 24-25 <sup>th</sup>
Region I Science and Engineering Fair	March 7-9 <sup>th</sup>
Louisiana Science and Engineering Fair	March 19-20 <sup>th</sup>
International Science and Engineering Fair	May 12-17 <sup>th</sup>

\*Beginning with Part II, a 1” pocketed binder labeled with the student’s name is due with each part. The binder will hold all plans and raw data for the project and contain the necessary forms.

## Part I: Initial Proposal

- Submit Part I to [www.turnitin.com](http://www.turnitin.com) using the provided template.
- State the title for your project.
- State the question your experiment will answer or the problem you hope to solve.
- Give the independent and dependent variables for the Experimental Track.
- Give three sources (usually online) you will use for further research.
- If you are working with a scientist or in a lab, give that information

# HONORS STEM PROJECT: AGREEMENT

<b>C</b>	<b>M</b>	<b>H</b>	<b>S</b>
			$\pi$
<b>S</b>	<b>T</b>	<b>E</b>	<b>M</b>

Parents: Please read this form CAREFULLY. The Honors STEM Project is an authentic experience in research/engineering design and is a path to national competitions. As a result, several rules must be followed for student success in the school assignment and beyond. This signed and dated form is due August 20<sup>th</sup>. Part I will not be accepted until this signed form is returned.

- All students in grade 9-11 Honors or AP level science classes must complete an Honors STEM Project. Students who do not complete a project will receive significantly lower grades in the class and will not be allowed to sign up for future honors or AP level science classes.
- All material submitted for the Honors STEM Project should be the student’s original work. At no point should students copy information from any source and submit it as their own. A student who submits plagiarized work will receive a zero for that part of the assignment and may face additional disciplinary consequences. The assignment must be repeated and resubmitted before subsequent parts can be submitted.
- The late submission policy for the Honors STEM Project is set by the individual teacher. Consult your/your child’s teacher for information on their late policy.
- The parts of the Honors STEM Project are sequential. Later parts can not be submitted until earlier parts are completed – even if the time for late submissions has passed and no points can be earned.
- The teacher must approve the topic for the Honors STEM Project. No points will be awarded for any part of a project that has not been approved by the teacher.
- Safety rules must be followed at all times. Students wishing to choose projects that are potentially hazardous must fill out *Form 3: Risk Assessment Form* (available at <https://student.societyforscience.org/intel-isef-forms>) and consult with their teachers and/or qualified scientists before beginning the project.
- Students who undertake projects in an academic or industrial lab should be careful to truly understand their project and the science behind it.
- Students whose projects are selected for the school fair must compete in that fair and advance to the regional and state competitions if they qualify.

I have read and understand the rules and guidelines of the Honors STEM Project and the consequences for violating them.

\_\_\_\_\_

Student Name

\_\_\_\_\_

Student Signature

\_\_\_\_\_

Date

\_\_\_\_\_

Parent Name

\_\_\_\_\_




Parent Signature

\_\_\_\_\_

Date

# HONORS STEM PROJECT: AGREEMENT

## PARENT COPY

C	M	H	S
			$\pi$
S	T	E	M

Parents: Please keep this copy of the Honors STEM Project Agreement for your records.

- All students in grade 9-11 Honors or AP level science classes must complete an Honors STEM Project. Students who do not complete a project will receive significantly lower grades in the class and will not be allowed to sign up for future honors or AP level science classes.
- All material submitted for the Honors STEM Project should be the student's original work. At no point should students copy information from any source and submit it as their own. A student who submits plagiarized work will receive a zero for that part of the assignment and may face additional disciplinary consequences. The assignment must be repeated and resubmitted before subsequent parts can be submitted.
- The late submission policy for the Honors STEM Project is set by the individual teacher. Consult your/your child's teacher for information on their late policy.
- The parts of the Honors STEM Project are sequential. Later parts can not be submitted until earlier parts are completed – even if the time for late submissions has passed and no points can be earned.
- The teacher must approve the topic for the Honors STEM Project. No points will be awarded for any part of a project that has not been approved by the teacher.
- Safety rules must be followed at all times. Students wishing to choose projects that are potentially hazardous must fill out *Form 3: Risk Assessment Form* (available at <https://student.societyforscience.org/intel-isef-forms>) and consult with their teachers and/or qualified scientists before beginning the project.
- Students who undertake projects in an academic or industrial lab should be careful to truly understand their project and the science behind it.
- Students whose projects are selected for the school fair must compete in that fair and advance to the regional and state competitions if they qualify.