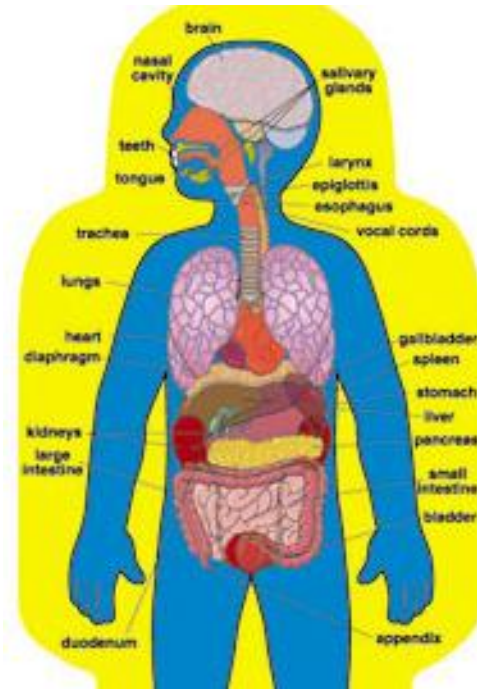


# Science

## Honors Project

### MP 2: “What’s Inside”



**Overview of Project:** Draw and label the ten organs we’ve been studying in the Digestive, Respiratory, and Circulatory Systems on a t-shirt. Then create a 15 page book telling about each organ and answering the Unit Essential Question: How do the Digestive, Respiratory, and Circulatory Systems work together to sustain life?

### Considerations:

1. The honors project extends what we are learning in class by putting all three systems together and representing them on a life-size scale.
2. The honors project is completely independent of school (there will be little to no time given in class to complete it).
3. Don’t procrastinate! It takes time and effort to submit a project that is worthy of “honors” distinction.
4. Complete all work on your own. It is permissible to ask questions, but not to have someone do your work for you.

# What's Inside?

## Materials:

1. White T-shirt
2. Markers or Fabric paint
3. Paper and color media for book

## Procedure:

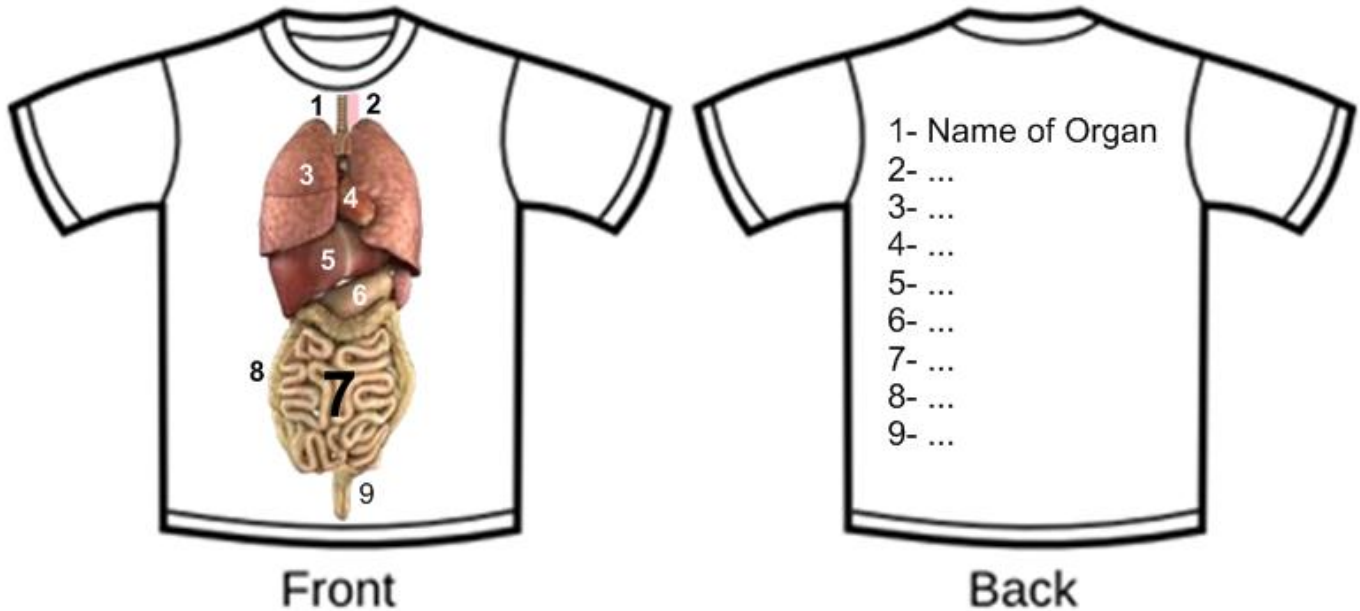
1. Get a white **T-shirt** (or use an old one) - white will work the best.
2. Draw the organs from the Digestive, Respiratory, and Circulatory Systems onto the white T-shirt **in the correct place** in the body. All the organs need to fit together like they do inside of us.
  - a. HINT: Organs will overlap so you may not see parts of some organs.
  - b. Use the worksheets we have completed in class to help with this task or pictures online.
  - c. You must include the following organs: Esophagus, Stomach, Liver, Small Intestine, Large Intestine, Rectum, Heart, Windpipe (Trachea), and Lungs (Mouth must be in the book but does not have to be on the t-shirt)
  - d. Drawing must be neat and done as accurately as possible.
3. Number each organ on the front of the t-shirt (#1-10). On the back of the t-shirt, write the number and the name of that organ.
4. Don't forget to write your name and period somewhere on the t-shirt!
5. You will then create a 15 page **book** that explains each organ and how the systems work together.
  - a. Page 1- Title page (Include a title, your name and period)
  - b. Page 2-12- One organ per page, ten organs total (include a page for the mouth)- Write the organ's name, tell what system the organ belongs to, what it's function is, and include a picture of the organ by itself (draw or print a picture).  
\*\*HINT: You can divide the organs into chapters in your book by system\*\*
  - c. Page 13-15- Explain how the systems **work together to sustain life**. Devote one page for each combination of systems (3 pages total):
    - i. Digestive + Respiratory
    - ii. Digestive + Circulatory
    - iii. Respiratory + Circulatory

\*Any information take from sources outside of your Science journal/ class worksheets should be cited- you can put a references page on the back cover of your book\*

6. Your T-shirt & book are **due by JAN 14<sup>th</sup>** so it can be graded and *possible* extra credit points can be added to your 2<sup>nd</sup> MP grade. Note: You must do the project neatly, accurately, and completely to be considered for extra credit points. **NO LATE PROJECTS WILL BE ACCEPTED.**

**Be sure to look at the rubric before turning in your work!**

## T- Shirt:



## Book:

Title Page	Organ Pages	System Pages
<p><b>Title</b></p> <p>Picture</p> <p>By: First and Last Name Period: #</p>	<p><b>Name of Organ System</b></p> <p>Picture</p> <p>Description of what the organ does</p>	<p>How the _____ and _____ Systems Work Together</p> <p>Explanation and Example...</p>

\*\* These are just a suggestion on how to set up your pages. As long as you include all the required parts, format the pages however you would like. \*\*

**\*\* T-shirt and book must be turned together to be graded\*\***

### Grading Rubric:

	<b>0</b>	<b>1</b>	<b>2</b>
<b>T-Shirt</b>	Organs were not placed in the correct locations on the body and/or were not drawn accurately	Most organs are placed in the correct locations on the body and/or most organs are drawn accurately	Organs are placed in the correct locations on the body and are drawn accurately
<b>Book- Organ pages</b>	Less than 50% of the organ pages are accurate	More than 50% of the organ pages list the <b>correct</b> name, system, function, and pictures	Each organ page lists the correct name of the organ, correct system the organ belongs to, correct function, and a picture of the organ by itself
<b>Book- Systems Working Together</b>	Two or more combinations were inaccurate/unclear or showed misconceptions	One of the combinations was inaccurate/unclear or showed misconceptions.	Each combination includes an example of how the two systems work together. The explanation is thorough and accurate.
<b>Completeness</b>	Less than 50% of overall project (t-shirt and book) was completed	Some parts of either the t-shirt or the book were not completed	All nine organs are drawn and labeled on the t-shirt, and all 15 pages of the book are completed
<b>Neatness/Effort</b>	Writing was illegible, more than 2 organs were misspelled, or most of the project showed little effort	Some parts of either the t-shirt or book were messy or sloppy. Writing and/or coloring showed little effort. OR 1-2 organs were misspelled.	Both the t-shirt and book are done very neatly. Any coloring shows effort to fill the shape and stay inside the lines. All writing is done to the best of students' ability. All organs were spelled correctly.

**Total Score: \_\_\_\_\_ out of 10 points**

### Extra Credit Points Possible:

<b>Total Rubric Score</b>	<b>Extra Credit Points</b> (added to Final MP 2 Average)
<b>10</b>	<b>3</b>
<b>9-7</b>	<b>2</b>
<b>6-4</b>	<b>1</b>
<b>3-0</b>	<b>0</b>