Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Section \_\_\_\_\_\_\_\_\_\_\_\_\_

Cardiologist Model Rubric

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **4** | **3** | **2** | **1** |
| **Atriums, Ventricles and Septum** | 4 chambers and septum in correct place | 4 chambers and septum not correctly placed | Missing Septum | Missing a Chamber |
| **Valves** | All valves are present in the correct location | Missing 1 valve or in wrong location | Missing 2 valves or 2 valves in the wrong location | Missing parts and items are in the wrong place |
| **Pulmonary Arteries and Veins** | Model contains the correct number of pulmonary veins and arteries connected to the correct chamber | Model contains the correct number of pulmonary veins and arteries connected to the wrong chamber | Model contains the incorrect number of pulmonary veins and arteries but are connected to the correct chamber | Model is missing pulmonary veins or arteries |
| **Aorta, Inferior and Superior Vena Cava** | Contains Aorta, Inferior Vena Cava and Superior Vena Cava and are connected to the correct chambers | Contains Aorta, Inferior Vena Cava and Superior Vena Cava and are connected to the wrong chambers | Missing 1 of the vessels or multiple vessels connected to the wrong chamber | Missing two vessels |
| **Labels** | All parts labeled clearly and correctly | 1-2 parts missing labels or labels in the wrong place | 3-4 parts missing labels or labels in the wrong place | 5 or more parts missing labels or labels in the wrong place |
| **Design** | Neat and is apparent that superior effort was put into construction. | Neat and is apparent that effort was put into construction. | Somewhat messy or disorganized | Messy or disorganized |

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Section \_\_\_\_\_\_\_\_\_\_\_\_\_

Pulmonologist Model Rubric

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| --- | --- | --- | --- | --- |
|  | **4** | **3** | **2** | **1** |
| **Lungs** | Lungs are present and one lung has the internal parts |  | Both lungs are present and neither has the internal parts | One lung present |
| **Mouth, larynx and trachea** | Has all 3 parts put together in the correct order and attached to the other organs appropriately | Has all 3 parts put together in the correct order and not attached to the other organs appropriately | Missing one parts | Missing more than one part |
| **Bronchioles and Bronchiole Tubes** | Has bronchioles and bronchiole tubes, attached to the other organs correctly | Has bronchioles and bronchiole tubes, not attached to the other organs correctly | Missing Bronchioles | Has single tubes representing bronchioles and bronchiole tubes |
| **Alveoli** | Alveoli present in one of the lungs and attached to appropriate organs | Alveoli present in one of the lungs and not attached to appropriate organs |  |  |
| **Labels** | All parts labeled clearly and correctly | 1-2 parts missing labels or labels in the wrong place | 3-4 parts missing labels or labels in the wrong place | 5 or more parts missing labels or labels in the wrong place |
| **Design** | Neat and is apparent that superior effort was put into construction. | Neat and is apparent that effort was put into construction. | Somewhat messy or disorganized | Messy or disorganized |

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Section \_\_\_\_\_\_\_\_\_\_\_\_\_

Gastroenterology Model Rubric

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **4** | **3** | **2** | **1** |
| **Mouth and Esophagus** | Contains Mouth and Esophagus  connected to the other organs correctly | Contains Mouth and Esophagus  Not connected to the other organs correctly |  | Missing mouth or esophagus |
| **Stomach** | Contains a stomach and it is attached to other organs appropriately | Contains a stomach and it is not attached to other organs appropriately |  |  |
| **Small and Large Intestine** | Contains both large intestine and small intestine attached to other organs appropriately and made in a size relative to each other | Contains both large intestine and small intestine not attached to other organs appropriately or not made in a size relative to each other | Contains both large intestine and small intestine not attached to other organs appropriately and not made in a size relative to each other | Missing one of the required items |
| **Rectum and Anus** | Contains both rectum and anus and is attached to other organs appropriately | Contains both rectum and anus and is not attached to other organs appropriately |  | Missing one of the required items |
| **Labels** | All parts labeled clearly and correctly | 1-2 parts missing labels or labels in the wrong place | 3-4 parts missing labels or labels in the wrong place | 5 or more parts missing labels or labels in the wrong place |
| **Design** | Neat and is apparent that superior effort was put into construction. | Neat and is apparent that effort was put into construction. | Somewhat messy or disorganized | Messy or disorganized |

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Section \_\_\_\_\_\_\_\_\_\_\_\_\_

Orthopedic Surgeon Model Rubric

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| --- | --- | --- | --- | --- |
|  | **4** | **3** | **2** | **1** |
| **Bones for the Arm** | 2 separate bones to represent the upper and lower arm and relatively the correct size compared to each other | 2 separate bones to represent the upper and lower arm and not the correct size when relatively compared to each other |  | 1 bone to represent the upper and lower arm |
| **Muscles to lift** | Muscles to take the hand up to the shoulder connected to the appropriate bones | Muscles to take the hand up to the shoulder not connected to the appropriate bones | Incomplete muscle group | Only a single muscle |
| **Muscles to extend** | Muscles to take the hand away from the shoulder connected to the appropriate bones | Muscles to take the hand away from the shoulder not connected to the appropriate bones | Incomplete muscle group | Only a single muscle |
| **Ligaments and Tendons** | Contains both ligaments and tendons and is attached to muscles and bones appropriately | Contains both ligaments and tendons and is not attached to muscles and bones appropriately |  | Missing one of the required items |
| **Labels** | All parts labeled clearly and correctly | 1-2 parts missing labels or labels in the wrong place | 3-4 parts missing labels or labels in the wrong place | 5 or more parts missing labels or labels in the wrong place |
| **Design** | Neat and is apparent that superior effort was put into construction. | Neat and is apparent that effort was put into construction. | Somewhat messy or disorganized | Messy or disorganized |

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Section \_\_\_\_\_\_\_\_\_\_\_\_\_

Osteopathic Specialist Model Rubric

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| --- | --- | --- | --- | --- |
|  | **4** | **3** | **2** | **1** |
| **Hinge Join** | Bones joined together in a way that allows the joint to move in a hinged motion, and contains ligaments and cartilage | Bones joined together in a way that allows the joint to move in a hinged motion, and missing ligaments or cartilage | Bones joined together in a way that allows the joint to move in a hinged motion, and missing ligaments and cartilage | Bones joined together in a way that allows the joint to move in a hinged motion, and has no ligaments or cartilage |
| **Ball and Socket Joint** | Bones joined together in a way that allows the joint to move in a wide range of motion, and contains ligaments and cartilage | Bones joined together in a way that allows the joint to move in a wide range of , and missing contains ligaments or cartilage | Bones joined together in a way that allows the joint to move in a wide range of and missing contains ligaments and cartilage | Bones joined together in a way that allows the joint to move in a wide range of and has no ligaments or cartilage |
| **Fixed Joint** | Bones joined together appropriately |  |  | Bones not joined together appropriately |
| **Pivot Joint** | Bones joined together in a way that allows the joint to pivot and contains cartilage | Bones joined together in a way that does not allow them to pivot and contains cartilage | Model missing cartilage but moves appropriately | Model missing cartilage and does not move appropriately |
| **Labels** | All parts labeled clearly and correctly | 1-2 parts missing labels or labels in the wrong place | 3-4 parts missing labels or labels in the wrong place | 5 or more parts missing labels or labels in the wrong place |
| **Design** | Neat and is apparent that superior effort was put into construction. | Neat and is apparent that effort was put into construction. | Somewhat messy or disorganized | Messy or disorganized |

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Section \_\_\_\_\_\_\_\_\_\_\_\_\_

Neurologist Model Rubric

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| --- | --- | --- | --- | --- |
|  | **4** | **3** | **2** | **1** |
| **Cerebrum** | Has a Cerebrum and is relatively an appropriate size compared to the other parts of the brain and is attached in the correct position | Has a Cerebrum but does not have it a relatively appropriate size compared to the other parts of the brain or is attached in the wrong position |  | Has a Cerebrum but does not have a relatively appropriate size compared to the other parts of the brain and is attached in the wrong position |
| **Cerebellum** | Has a Cerebellum and is relatively an appropriate size compared to the other parts of the brain and is attached in the correct position | Has a Cerebellum but does not have it a relatively appropriate size compared to the other parts of the brain or is attached in the wrong position |  | Has a Cerebellum but does not have a relatively appropriate size compared to the other parts of the brain and is attached in the wrong position |
| **Brain Stem** | Has a Brain Stem and is relatively an appropriate size compared to the other parts of the brain and is attached in the correct position appropriately | Has a Brain Stem but does not have it a relatively appropriate size compared to the other parts of the brain or is attached in the wrong position |  | Has a Brain Stem but does not have a relatively appropriate size compared to the other parts of the brain and is attached in the wrong position |
| **Neuron** | Has a neuron with all of the parts (axon, cell body, receptor sites and dendrites) joined correctly | Has a neuron with 1 part joined incorrectly | Has a neuron with all of the parts more than one part joined incorrectly | Neuron is missing more than one part |
| **Labels** | All parts labeled clearly and correctly | 1-2 parts missing labels or labels in the wrong place | 3-4 parts missing labels or labels in the wrong place | 5 or more parts missing labels or labels in the wrong place |
| **Design** | Neat and is apparent that superior effort was put into construction. | Neat and is apparent that effort was put into construction. | Somewhat messy or disorganized | Messy or disorganized |