Topic Plan

Year 6
Spring 2 – Let's get to the heart of it!

Key Skills	Key Facts	Key Vocabulary
- Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood. - Use appropriate scientific language and ideas from the NC to explain, evaluate and communicate methods and findings. - Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs - Use test results to make predictions to set up further comparative and fair tests **Art** - Explain and justify preferences towards different styles and artists. - Produce intricate patterns and textures in a malleable media.	- The heart is part of your body's circulatory system. - The heart is made up of the atria, ventricles, valves, and various arteries and veins. - Your heart will beat about 100,000 times each day. - The beating sound of your heart is caused by the valves of the heart opening and closing. - Blood is transported throughout the body by the heart via blood vessels (arteries, capillaries, and veins). - A human body can create about 17 million red blood cells per second. - The four chambers of the human heart are the left atria, the right atria, the left ventricle, and the right ventricle. - If you were to stretch out your blood vessel system, it would extend over 60,000 miles.	**Blood** – carries oxygen and nutrients to all parts of the body so that they can keep working. It is made up of cells and plasma. **Plasma** - is a yellowish fluid that has nutrients, proteins, hormones, and waste products. **Red Blood Cells** - have the important job of carrying oxygen. **White Blood Cells** - are part of the germ-fighting immune system. **Heart rate** – also known as your pulse, is how many times your heart beats per minute. **Cardiovascular exercise** – also known as cardio, helps keep your heart healthy.

Key Figures/Places	Reading and Writing Links
Jim Dine 	**Class Text** Skellig by David Almond **Writing** - Diary Entry - Information text - Writing a story from a different perspective