Stage 1 – Desired Results	
Explain how models he Compare data and	l plan/create solutions. elp us understand data. determine its value. olve a problem and present it to peers.
 Understandings: Students will understand that Scientist help us solve problems in different fields Asking questions helps us solve problems Data can help us share our results and prove our findings 	 Essential Questions: What does a scientist do? How do questions help us solve our problem How do models help us? How can we use data to explain our ideas? How can we share our information with our peers?
 Students will know Label and draw a picture of themselves as part Ask questions and use "I wonder" statements Compare and contrast different life cycles Compare and contrast the strength and weakn Use accountable talk stems to engage in conse Apply learned scientific and engineering skills t 	ess of the data rvation with peers
Stage 2 – Assessment Evidence	
 Performance Tasks: Brain Pop Jr- Science Project Quiz Brain Pop Jr Plant Life Cycle Sequencing Leaf graph Plant a Tree PBL Task 	 Other Evidence: Science journals Participation rubric
Stage 3 – Le	earning Plan
 Lesson 2- Asking Questions and Defining Proble Watch Brain Pop Jr. video- Science Proj Go outside with clip boards and have st the world around them As a class, come up with some questior Students will take Brain Pop Jr. Quiz Lesson 3-Develop and Use Models 	s as a scientist in their specific field of work ems jects sudents write "I wonder" statements as they observe ins that lead to defining a problem I how it can be used in the scientific process on the computer

- Students will collect data (leaves) from two different locations outside the school
- Students will graph leaf collection and compare results
- Students will use accountable talk stems to discuss results of data
- Lesson 5- Plant a Tree (Problem Based Learning Task)
 - Pose the problem: Our town wants to give us a tree to plant outside our school. They want the students to decide what type of tree to plant, where to plant the tree and when to plant the tree during the year.
 - Students will work in pairs or groups to create a poster to convince the town of their choice of tree.