

## Assessment Matrix

Part 1: Planning and Creativity (30 possible points)		
Character selection and justification (5 points)		Is the chosen character relevant and well-explained?
Object selection and justification (5 points)		Is the chosen object relevant and meaningful for the character?
Character's transportation needs and motivation (5 points)		Are the reasons for transporting the object clear and well-developed?
Start and end points of transportation (5 points)		Are the locations clear and relevant to the character?
Paragraph, clarity, grammar, and flow (5 points)		Is the paragraph well-written, free of errors, and engaging?
Originality and creativity in the transportation concept (5 points)		Does the transportation device incorporate unique and interesting ideas?
Total Part 1	30	
Part 2: Transport Design and Construction (30 possible points)		
Functionality of the transport device (15 points)		Does the device successfully transport the object?
Design and attached to Root robot (10 points)		Is the device creative, functional, and securely attached to the robot?
Use of materials and craftsmanship (5 points)		Are the materials appropriate and used skillfully?
Total Part 2	30	
Part 3: Programming and Testing (20 possible points)		
Programming accuracy and functionality (10 points)		Does the program successfully navigate the robot from Point A to Point B?
Code efficiency and clarity (5 points)		Is the code well-written, organized, and easy to understand?
Demonstration and successful transport (5 points)		Does the robot reliably travel the intended path without deviation?
Total Part 3	20	
Part 4: Photos and video presentations (20 possible points)		
Clarity and relevance of photos (10 points)		Do the photos clearly show the transport device and functionality?
Video clarity and demonstration (10 points)		Does the video clearly show the robot successfully transporting the object?
Total Part 4	20	
Total Score	100	