

## Core Skills Analysis

### Science

- The student learned about the internal combustion process in car engines and how fuel ignites to create power.
- They grasped the concept of pistons and how they move up and down to drive the engine.
- Understanding the role of oil and lubricants in keeping the engine running smoothly was achieved during the activity.
- They learned about the basic components of a car engine, such as the spark plugs and cylinders.

### Tips

For further development, encourage the student to explore different types of car engines, such as diesel and electric. They can also experiment with simple engine models or build their own using household items to deepen their understanding.

### Book Recommendations

- [The Magic School Bus and the Electric Field Trip](#) by Joanna Cole: Join Ms. Frizzle's class on an electrifying adventure to learn about electric cars and their engines.
- [How Things Work: Inside Out: Discover Secrets and Science Behind Trick Candles, 3D Printers, Penguin Propulsions, and Everything in Between](#) by T.J. Resler: An interactive book that explains complex concepts, including car engine mechanics, in a fun and engaging way for kids.
- [DK Eyewitness Books: Car](#) by Richard Sutton: Explore the world of cars and engines through vivid pictures and informative content suitable for young readers.