

INSCHOOL FIELDTRIPS.

LEARNING OUTCOMES:

5

GRADE FIVE. lift force. simple machines.

Your Grade 5 students will transform into innovative problem solvers and creators with these models. Engineering concepts come to life, captivating students as they explore the intricacies of design, mechanics, and aerodynamics as they design and build their model.

Energy and Flight:

RESCUE HELICOPTER.

- Students will understand the term lift force.
- Students will learn how lift and drag forces are used to achieve flight.

Computer Science -Design Meets Needs:

ELEVATOR (PAIRED MODEL BUILD).

- Students will collaborate with peers, engaging in building, testing, and refining their creations, which will allow them to employ critical thinking and problem solving skills to ensure the successful development of a functional elevator.

Energy Resources:

OIL PUMP.

- Students will learn about renewable and non-renewable resources.
- Students will build an Oil Pump and will learn the function and mechanics behind oil pumps.
- Students will learn how mechanical components work together to move oil from one place to another.

