

VEHICLES AND DEVICES THAT MOVE DAY PROGRAM

BENNETT CENTRE

GRADE 4 SCIENCE

BUILDING VEHICLES & DEVICES

Please have everyone bring
a second pair of shoes to be
used indoors.



This day program runs from 9:30-2:30 and includes only indoor activities. The following is a list of activities that may be included in the day program. Learner expectations that will be addressed are indicated beside each activity.

Students will:

1. Review the basic concepts from the Wheels & Levers unit with special emphasis on levers
2. Be shown various tools and materials - Safety rules & procedures will be outlined
3. Construct a basic 4 wheeled vehicle – material will be prescribed and supplied – planning & recording must precede construction
SLE 1,3,6
4. Test the vehicle, first on a hard surface, then on an inclined ramp – record observations
SLE 2,6
5. Share problems and success during construction and testing
SLE 5,6
6. Evaluate and record evaluations of their vehicle design
SLE 5,7
7. Wind power and balloon power will be added to the vehicle with planning, recording, modifying and evaluating part of the procedure
SLE 2,3,5,6,7
8. Look at the potential of rubber band powered vehicles and other device designs that may be tried back at school
SLE 3,6,7
9. Design and construct a creature with a moveable jaw – the emphasis will be on levers and linkages – again before construction begins, planning will have to be done and recorded
SLE 1,6
10. During construction, share design problems, successes or difficulties they haven't been able to solve - Input from other class members will be welcomed and encouraged
SLE 5,6
11. Evaluate their jaw design and record all observations, modifications, evaluations and sharing
SLE 5,6,7

We suggest bringing 2-3 extra adult volunteers. We encourage you to bring any recycled materials and plastic bags from home to donate to the Bennett Centre. Please have students bring a pencil and wear a nametag.

Students will be provided with a student booklet. The Bennett Centre will provide an instructor, materials and equipment.

ALLERGY ALERT REMINDER
The Bennett Centre is fragrance free
and peanut free for the safety and
comfort of our visitors and staff