

## GRADE 4 WORKSHOPS

AIMBOT customized LEGO® workshops engage students in a hands-on building challenge consistent with the Grade 4 Program of Studies Guiding Principles. Our workshops are designed to highlight key specific outcomes whilst complimenting existing program goals in each of the following subject areas:

### *Language Arts/Social Studies*

- Identify an event, setting, or character to be used in constructing a visual representation from a given story.
- Brainstorm, and explain ways to communicate meaning and organize ideas using LEGO® bricks as a medium.
- Work cooperatively, using LEGO® bricks, to design and construct a scene to represent an event, setting or character.
- Share and describe LEGO® models to explain how they connect with the story.
- Write a personal response discussing how language and the LEGO® model work together to communicate meaning.

### *Science*

- Identify components to be used in constructing a device or vehicle.
- Work cooperatively, using LEGO® parts, to design and construct a device or a vehicle that moves or has moving parts such as linkages, wheels and axles.
- Use simple forces to power or propel the device/vehicle created.
- Compare and evaluate the devices/vehicles created to identify the relative strengths and advantages of each.

### *Art*

- Identify an interest or theme to be used in constructing a visual expression.
- Brainstorm and explain ways to communicate meaning and organize ideas using LEGO® bricks as a medium with a focus on realism, depth, symmetry, stability and color.
- Work cooperatively, using LEGO® bricks, to create an original composition based on supplied motivation.
- Share and discuss how each LEGO® creation connects to the interest or theme chosen.

## WORKSHOP FORMAT

AIMBOT Facilitator(s) will arrive to setup 30-60 minutes prior to the first workshop.

Timeline is based on a one hour program format. Program length can be extended upon request (additional fees may apply)

- 10 minutes - facilitator(s) introduces program goals and creates work groups
- 5 minutes - students & facilitator(s) brainstorm building concepts
- 30 minutes - students design and construct project while facilitator(s) provides support and encouragement
- 10 minutes - students & facilitator(s) share and discuss project
- 5 minutes - students disassemble projects

## WORKSHOP MATERIALS

AIMBOT will supply:

- building kits for each work group in the class;
- workshop photos for the classroom, including a photo of each group project;
- personalized project completion certificates for each student;
- supplemental student resources for use after the workshop.

Please note that due to the high costs of supplies, students will not be able to take home in-class projects.

## WORKSHOP FEES

\$300 - single class (maximum 30 students per class), one hour program format

\$1400 - school wide, full day program format

Artist-in-Residence grant may be available to offset costs. Please inquire prior to booking.

Travel fees will apply for schools outside the Greater Edmonton Area. Please inquire prior to booking.

