

Arts and Bots Project Development Worksheet

Project Title:

Project Leader/Liaison:
Participating Teachers:

The Purpose and Main Features of the Project

Why do we want to do this project?

- Why is it important for you and your students to develop this project?
- How does it relate to the student's life, to your curriculum?
- How do you intend the project to engage students in technology and content?

Preparing the launch

Define the overarching question/problem/statement the project will address

- What is the overarching question or problem? This question/problem will guide the creation of the robots.

Curricular objectives and scope of the project

- How is this project linked to your learning objectives?
- What knowledge, skills, attitudes, values and behaviors will students learn through this project?
- Where in your curriculum will you be able to incorporate instruction and discussion about robotics?
- How does the project contribute to your subject area?
- How does the project relate to other subjects and cross-curricular goals?

Learning activities

How are we going to get there?

- What learning activities will you implement in your class to accomplish your goals? In particular, how will you combine activities like *interactive group work, research, writing, storytelling, field trips, classroom discussion and presentation, engaging in dialogue, discussing what has been learned, etc.*

Learning outcomes and assessment

How do we know that we have arrived at our destination?

- How do we know that we have met the project's learning objectives?
- Have the students' critical understanding, sharing and constructive use of concepts been enhanced through the project?
- How will we satisfy assessment requirements of our educational framework?

Resources and support

What will we need to accomplish all of this?

- Support from the administration: what will we need in terms of planning time, instructional and technical support, transportation, etc.?
- Equipment and resources: Arts and Bots equipment, Flip Cameras and computers, assorted building materials, online resources, SMART Boards, anything else you may need.

Project Showcase

How will students' showcase their work?

- How will you document Arts and Bots activities and student robots?
- How/where/when will you showcase your students' work at the school/community level? What artifacts will you need for the showcase?
- How will you showcase your students' work at the Harless CREATE Satellite Showcase? What artifacts will you save (lesson plans, student written work, video of student presentations, etc.)?