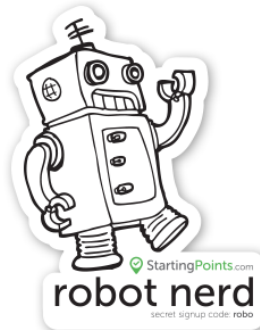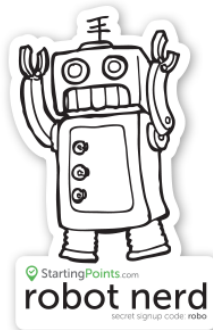# Animal Allies

Project Worksheet

FREE ROBOT NERD STICKERS FOR YOUR ENTIRE TEAM

with a StartingPoints Team/Group Subscription (just $9)

OFFER EXPIRES 9/30/2016

1. Visit https://www.startingpoints.com/robotnerd
2. Create a group for your team (skip if you already have a group)
3. From group settings, upgrade to a Team/Group Plan (just $9 /year)
4. Send a copy of your receipt or you receipt number and mailing address to hello@startingpoints.com.

Research Project Exploration

What animal interaction do you find most interesting?
- ○ Zoo Animals (lions, tigers, bears, etc.)
- ○ Farm Animals (cows, pigs, chickens, horses)
- ○ Home/Domesticated Animals (dog, cat, bird, hamster)
- ○ Wild Animals (fox, squirrel, possum, deer, bats)

For Animal Allies℠, how would you define an animal interaction?

How do people help animals?

How do animals help people?

What topic area do you find most interesting?
Google – to explore the topics below, spend some time doing research using google.
Remember to bookmark any interesting sites as you may want to include the research in your presentation and/or project notebook.

- ○ People helping animals
- ○ Animals helping people
- ○ Animal/wildlife conservation - protecting wild animal species and their habitats
- ○ Safely transporting animals
- ○ Biomimicry – people learning things from animals or applying elements of nature for the purpose of solving complex human problems.
- ○ Feeding animals
- ○ Animal research
- ○ Animal training
- ○ Animal rehabilitation
- ○ Animal prosthetics (think Dolphin Tail movie)

Identification of a Problem

Use the table below to brainstorm different problems that can arise when people and animals interact.

Focus on the problem, not the solution.

Animal	Interaction	Problem
Bears	Bears at picnic sites	Bears scavenging for human food in trash cans.

useful resources and technology for organizing people, teams and activities.

Sources of information

List four (+) sources of information cited

useful resources and technology for organizing people, teams and activities.

Professional Experts

Person's Name: _____

Organization: _____

What makes this person an expert?

What did you learn?

Notes / Doodles:

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Professional Experts

Person's Name: _____

Organization: _____

What makes this person an expert?

What did you learn?

Notes / Doodles

Problem Analysis

What problem did you discover?

How did you discover the problem?

What is something you learned about the problem?

How big is the problem?

What did you find surprising about the problem?

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Existing Solutions

Existing Solution

Solution Name:

What makes your solution different or better?

Existing Solution

Solution Name:

What makes your solution different or better?

Existing Solution

Solution Name:

What makes your solution different or better?

Team Solution

What is your solution?

How does your solution work?

How did you come up with solution and why?

Were there solutions that you thought of that you decided not to use? Why?

What makes your solution innovative?

How would the solution be implemented/built?

How much does it cost to buy or implement your solution?

What are the challenges with implementing your solution?

Can you build a prototype?

Draw/Doodle a picture of your solution:

Presentation

How do you want to present your research and solution?

- ○ Doodle Presentation
- ○ News Story
- ○ Puppet
- ○ Skit
- ○ Other: _____

Who will do what?

Who   What

_____   _____

_____   _____

_____   _____

_____   _____

_____   _____

_____   _____

_____   _____

_____   _____

_____   _____

How did you decide on this presentation style that you used?

Why did you choose this presentation style that you chose? How does this style help your audience understand what you are telling them?

What do you think was the most creative aspect of your presentation or project and why?

useful resources and technology for organizing people, teams and activities.

Sharing

With whom did you share your project? Why did you choose that individual or group?

How did you share the information?

What impact did your project have on them?

What changes have you or others made as a result of your research and presentation?