

OFFERING APPLIED LEARNING PROJECTS



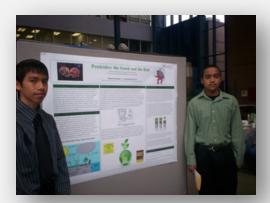
BTE- NEW BRUNSWICK, NEW JERSEY



WHAT IS AN APPLIED LEARNING PROJECT (ALP)?

- Yearlong, team-based project designed to introduce students to research, STEM professions, and the sciences.
- In previous years, BTE- New Brunswick has implemented ALP's on the following topics:
 - Marine Science
 - Parasitology
 - Nutrition



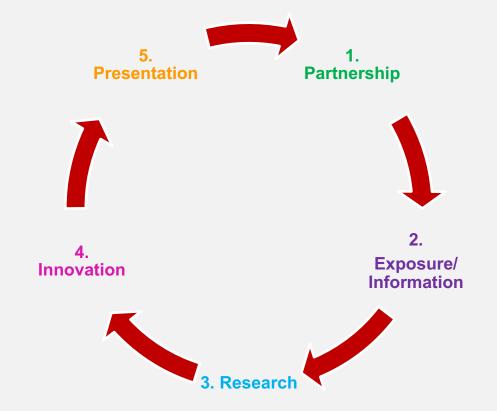




Bridge to Employment

ALP COMPONENTS:

- In 2014-2015, our BTE cohort engaged in an ALP that focused on Product Development.
- The ALP consisted of 5 Main Components:







- A connection was made with one of the New Jersey based Johnson & Johnson lab sites based out of Skillman, NJ.
- Discussions were held to see what learning opportunities were available for high school students ages 14-15
 - It was agreed that targeting Product Development (PD) would be a diverse project topic that students could gain insights regarding J&J, research, and the variety of STEM-related professions.
- A small committee was formed between the BTE Site Coordinator, New Brunswick Champion, & Volunteer Program Manager to discuss the logistics and expectations of the actual project component.



THE PLAN:



- Campus visit to Skillman site
 - ✓ Presentation on PD (highlighting key areas)
 - ✓ Hands on learning activity related to PD
 - ✓ Tour of Skillman lab
 - ✓ Mini Information Sessions/ Q & A
 - ✓ Survey
- ✓ ALP Syllabus
 - ✓ Description of ALP
 - ✓ PD Role Assignments
 - ✓ Breakdown of due dates
- ✓ Follow-Up Visit to Skillman
 - ✓ Collaborate with Skillman facilitators
- New Generation Prototype Preliminary Presentation
 - Teams presented to BTE Committee & Lab Representative
- ✓ ALP Practice Sessions
 - Rehearsals at Johnson & Johnson WHQ
- ✓ ALP Presentations



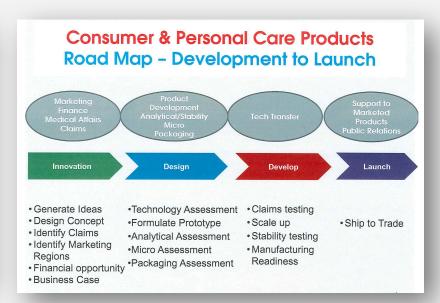
CAMPUS VISIT TO SKILLMAN-NOVEMBER 2014



• Part 1: Presentation on PD & various PD roles



Presentation delivered by J&J employees and lab specialists



PD Road Map Handout

Bridge to Employment

• Part 2: Hands-on Learning Activity









Students learn about chemical structures of lotion

Bridge to Employment

• Part 2: Hands-on Learning Activity





- Part 3: Tour of Skillman Lab
- Part 4: Mini Information Sessions/ Q & A



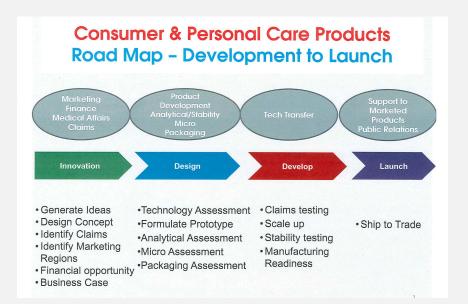




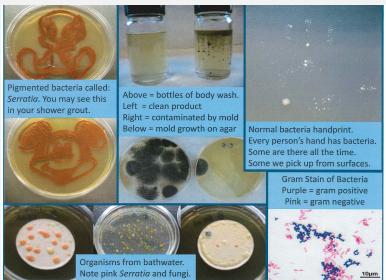
• Part 5: Survey



Handouts









ALP SYLLABUS- NOVEMBER 2014

- Syllabus was distributed on a Saturday session
 Each team selected which J&J product they wanted to research
 Students were to collaborate on ALP during Saturday sessions & afterschool
- BTE Bi-Monthly Calendar Reminders

	March 2015						
Bridge to Employment	Sun	Mon	Tue	Wed	Thu	Fri	Sat
Johnson-Johnson	1	2	3	4	5	6	7
	8	9	10 Open Office Hours– J&J 4 - 5 p.m.	11	12	13	14
	15	16	0pen Office Hours- J&J 4-5p.m.	Workshop: Less Stress (RLC) – NBHS 2:50-3:55 p.m. Room A301 Student Ambassador Applications DUE!!	19	20	21
"Show me a person who doesn't make mistakes and I'll show you a person who doesn't do anything." Leonard Rubino	22	23	Open Office Hours– J&J 4 - 5 p.m.	25	26	27	28 Saturday Class— Ruth Adams Building 10:00 a.m 1:00 p.m. Mini Workshop: Study for the Sciences ALP: New Generation Prototype Presentation
	29	30	Open Office Hours- J&J 4 - 5 p.m.				

FOLLOW-UP VISIT TO SKILLMAN-JANUARY 2015



 BTE participants collaborated with J&J facilitators and discussed their New Generation Prototype







NEW GENERATION PROTOTYPE PRESENTATIONS MARCH 2015



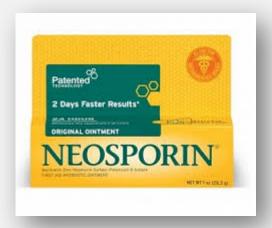
• Each ALP team presented to BTE Committee & Skillman lab rep













ALP PRACTICE SESSIONS-JUNE 22ND & 23RD 2015



- Over the course of 2 days, each ALP team came to J&J WHQ to deliver practice presentations
 - Feedback from BTE Site Coordinator, Champion, and Mentors was provided to each group

 o Identified gaps in presentations

 - Practiced with equipment
 - Body language
 - Speed







ALP PRESENTATIONS- JUNE 26TH 2015



- 6 ALP Teams presented their New Generation Prototype
- Each team was evaluated by a panel of judges
- o 1st, 2nd, and 3rd place awards were given to top 3 teams











PROJECT COMPLETE!





CHALLENGES:

- Collaborating between two different schools
- Equal distribution of project responsibilities
- Security check-in at campus visits



CHANGES/ RECOMMENDATIONS:

- Public speaking workshop
- Business etiquette workshop
- PowerPoint workshop
- Monthly or bi-monthly PowerPoint check-ins





