Students enrolled at a Career and Technology Center (CTC) face a variety of academic and technical challenges that are very different from the challenges they face in the home school environment. This document gives service providers – medical and educational – two tools to guide the safe return of a student with a limiting injury back into the CTC environment:

- **Program of Study Environmental Profiles** give an overview of what is required of a student in a specific Program of Study
- The **Safe Return to the Career and Technical Center (SR2CTC) Checklist** gives service providers a convenient way to identify and communicate a student's injury related limitations within a specific Program of Study

For Students Manifesting Symptoms of Traumatic Injury:

Environmental Factors Influencing the

Safe Return to the Career and Technical Center (SR2CTC)

The 3nd edition of this guide (June 2014) includes environmental profiles for 34 CIP codes.
Currently, there are 88 CIP codes offered in Pennsylvania.
This guide will be revised as new data is received.

Developed and Published by the Indiana County Technology Center
with support from CTCs across Pennsylvania.

If your Program of Study is not listed in this publication, please complete a Program Environmental Survey and email it to: bpiccirillo@ictc.edu

A copy of the Program Environmental Survey is included at the back of this document or can be accessed through the online version of the SR2CTC.

Indiana County Technology Center
441 Hamill Road, Indiana, PA 15701
Phone: 724 349 6700
FAX: 855 428 2338 (855 ICTC EDU)

© 2014 Indiana County Technology Center

Program Index | SR2CTC Checklist | Program Survey

The Indiana County Technology Center is an equal opportunity institution and will not discriminate on the basis of race, color, national origin, sex, handicap, or age in its activities, programs, or employment practices in accordance with the federal and state statutes and regulations. For more information regarding civil rights, grievance procedures, services, activities, and facilities that are accessible to and usable by handicapped persons, contact Mr. Michael McDermott, Title IX and Section 504 Coordinator at ICTC, 441 Hamill Road, Indiana, PA 15701,724-349-6700 between the hours of 7:45 a.m. and 3:45 p.m.

Copyright © 2014 Indiana County Technology Center

This guide may be duplicated and shared with service providers but cannot be altered without prior written consent from the Indiana County Technology Center

SOURCE AND METHOD OF COMPILATION OF REPORTED DATA

Information provided in this publication was obtained by submitting the attached survey form to various institutions offering the particular Program of Study listed. The survey form was submitted to all Career and Technology Centers in the State of Pennsylvania. The information reported on the survey form was then compiled and entered without modification by ICTC. ICTC has not conducted any independent study or assessment of the responses made on the survey forms. In addition, ICTC has not conducted any independent observation, acoustical or other electronic or mechanical studies of the reported percentage levels associated with the various tasks or stimuli listed in the publication.

DISCLAIMER

The data reported in this publication is for informational purposes only based on the method used for compiling the listed data as stated above. ICTC makes no representations or warranties, express or implied, as to the use of the information for any medical purpose. The information is not intended as a substitute for professional medical treatment or professional medical assessment of conditions applicable to a patient receiving professional medical care.

Alphabetical Program of Study Index

52.0401
ADMINISTRATIVE ASSISTANT AND SECRETARIAL SCIENCE, GENERAL Pg. 65-66

47.0603
AUTOBODY/COLLISION AND REPAIR TECHNOLOGY/ TECHNICIAN Pg. 41-42

48.0703
CABINETMAKING AND MILLWORK Pg. 51-52

50.0402
COMMERCIAL AND ADVERTISING ART Pg. 55-56

49.0202
CONSTRUCTION/HEAVY EQUIPMENT/EARTHMOVING EQUIPMENT OPERATION Pg. 53-54

51.0601
DENTAL ASSISTING/ASSISTANT Pg. 57-58

46.0399
ELECTRICAL AND POWER TRANSMISSION INSTALLERS, OTHER Pg. 33-34

51.9999
HEALTH CARE TECHNOLOGY Pg. 63-64

43.9999
HOMELAND SECURITY, LAW ENFORCEMENT, FIREFIGHTING AND RELATED PROTECTIVE SERVICES, OTHER Pg. 27-28

49.0101
MASON/MASONRY Pg. 29-30

52.1801
SALES, DISTRIBUTION AND MARKETING OPERATIONS, GENERAL Pg. 67-68

48.0508
WELDING TECHNOLOGY/WELDER Pg. 49-50

01.0601a
APPLIED HORTICULTURE/ HORTICULTURAL OPERATIONS GENERAL FLORAL Pg. 1-2

47.0604
AUTOMOBILE/AUTOMOTIVE MECHANICS TECHNOLOGY/ TECHNICIAN Pg. 43-44

46.0201
CARPENTRY/ CARPENTER Pg. 31-32

10.9999
COMMUNICATIONS TECHNOLOGIES/ TECHNICIANS & SUPPORT Pg. 9-10

12.0401
COSMETOLOGY/COSMETOLOGIST, GENERAL Pg. 15-16

09.0702
DIGITAL COMMUNICATIONS AND MEDIA/MULTIMEDIA Pg. 7-8

15.0303
ELECTRICAL, ELECTRONIC AND COMMUNICATIONS ENGINEERING TECHNOLOGY/TECHNICIAN Pg. 19-20

51.0899
HEALTH/MEDICAL ASSISTING SERVICES, OTHER Pg. 61-62

12.0508
INSTITUTIONAL FOOD WORKERS Pg. 17-18

47.06013
MEDIUM/HEAVY VEHICLE AND TRUCK TECHNOLOGY/TECHNICIAN Pg. 45-46

51.0808
VETERINARY/ANIMAL HEALTH TECHNOLOGY/TECHNICIAN AND VETERINARY ASSISTANT Pg. 59-60

01.0601b
APPLIED HORTICULTURE/ HORTICULTURAL OPERATIONS GENERAL LANDSCAPE Pg. 3-4

46.0401
BUILDING/PROPERTY MAINTENANCE Pg. 35-36

19.0708
CHILD CARE AND SUPPORT SERVICES MANAGEMENT Pg. 23-24

11.0901
COMPUTER SYSTEMS NETWORKING AND TELECOMMUNICATIONS Pg. 13-14

43.0107
CRIMINAL JUSTICE/POLICE SCIENCE Pg. 25-26

15.1301
DRAFTING AND DESIGN TECHNOLOGY /TECHNICIAN, GENERAL Pg. 21-22

03.0511
FORESTRY TECHNOLOGY/TECHNICIAN Pg. 5-7

47.0201
HEATING, AIR CONDITIONING, VENTILATION AND REFRIGERATION MAINTENANCE Pg. 39-40

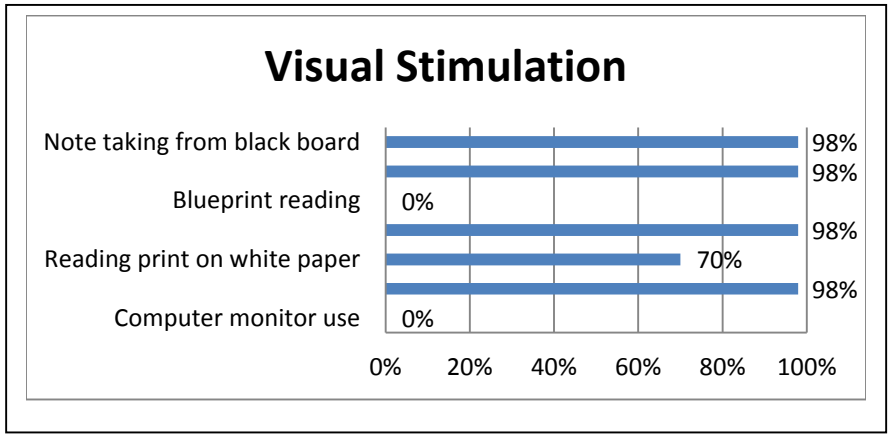
48.0501
MACHINE TOOL TECHNOLOGY/ MACHINIST Pg. 47-48

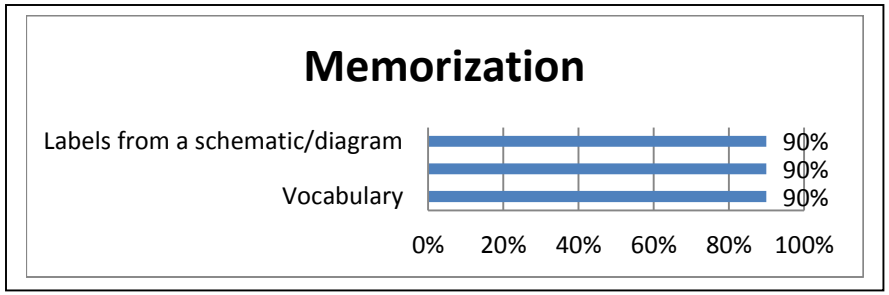
46.0503
PLUMBING TECHNOLOGY/PLUMBER Pg. 37-38

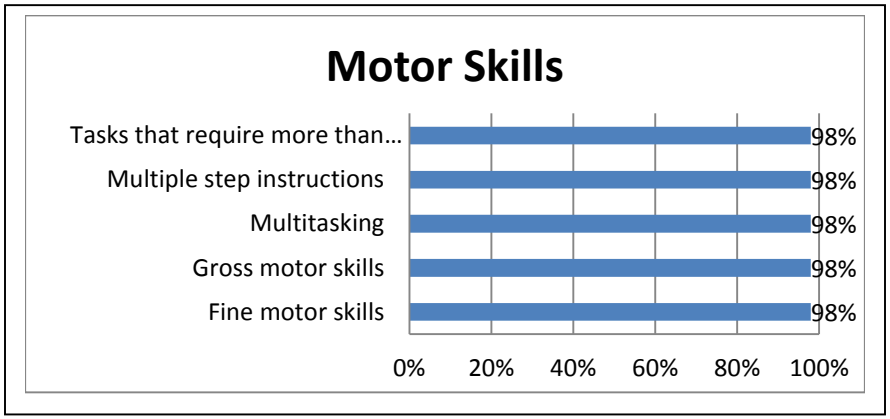
11.0801
WEB PAGE, DIGITAL/MULTIMEDIA AND INFORMATION RESOURCES DESIGN Pg. 11-12

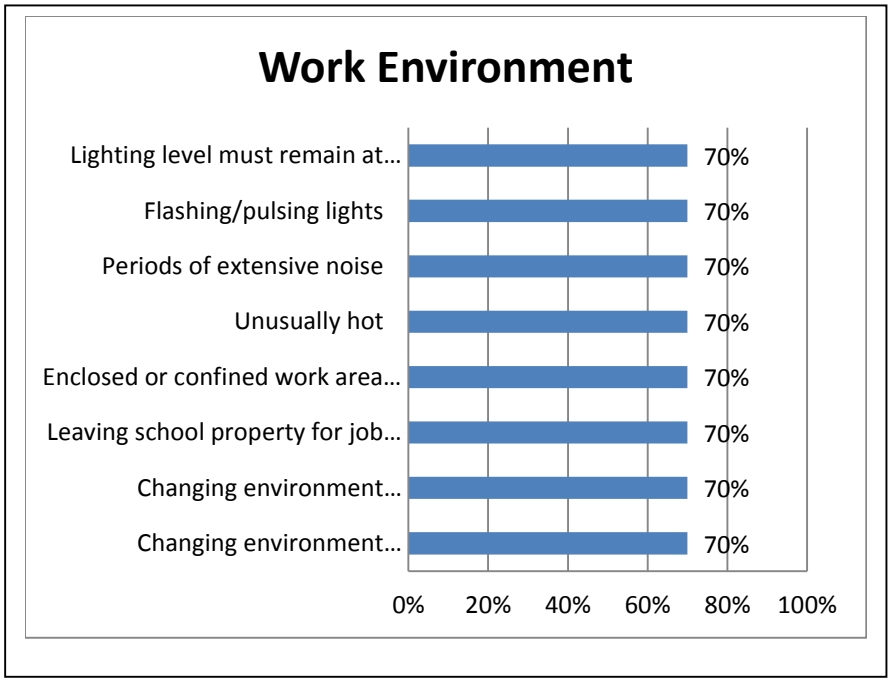
SR2CTC Checklist

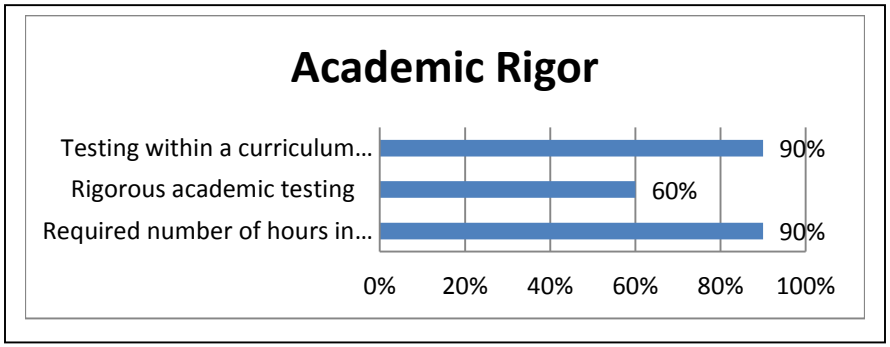
Program Survey







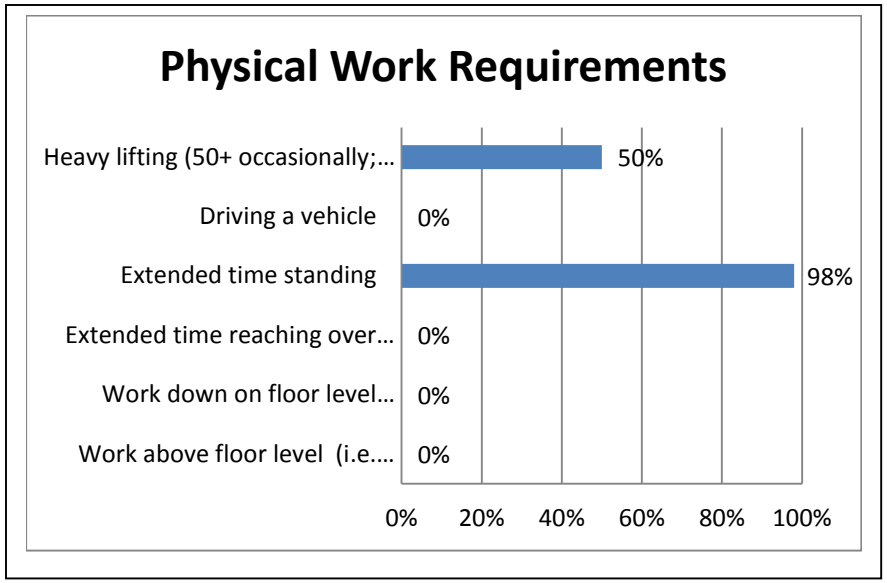


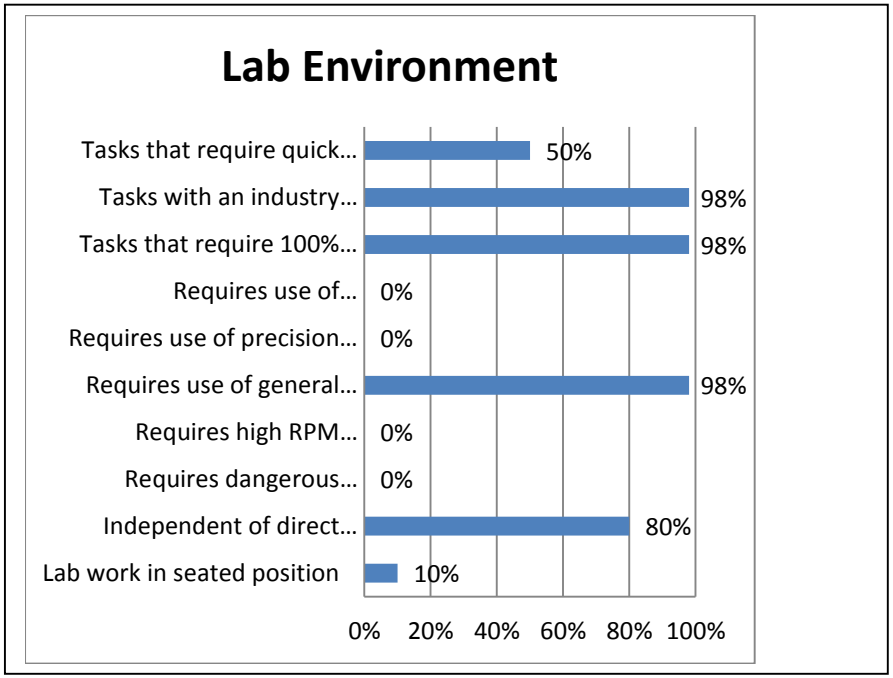


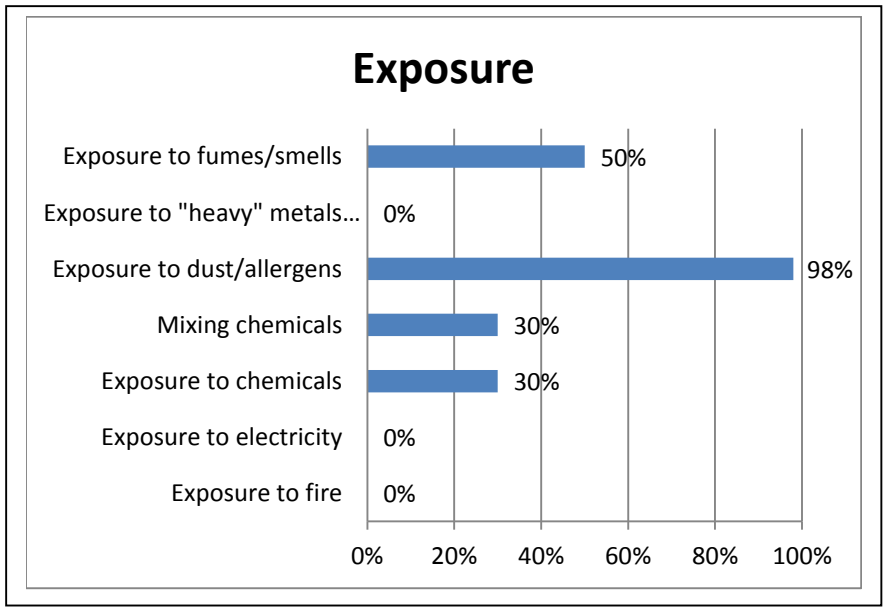
Print 01.0601a
Program Index
SR2CTC Checklist

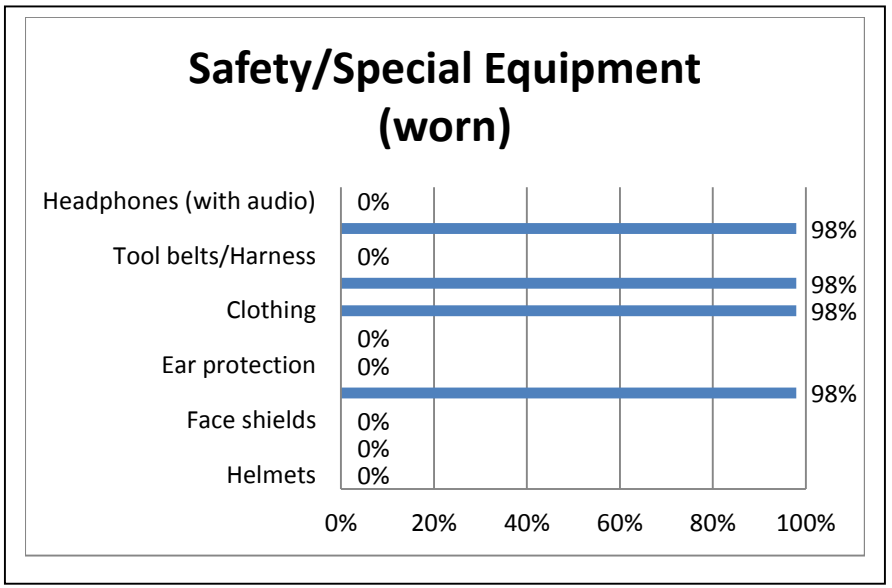
01.0601a Applied Horticulture/Horticultural Operations General Floral – POS

© 2014 Indiana County Technology Center

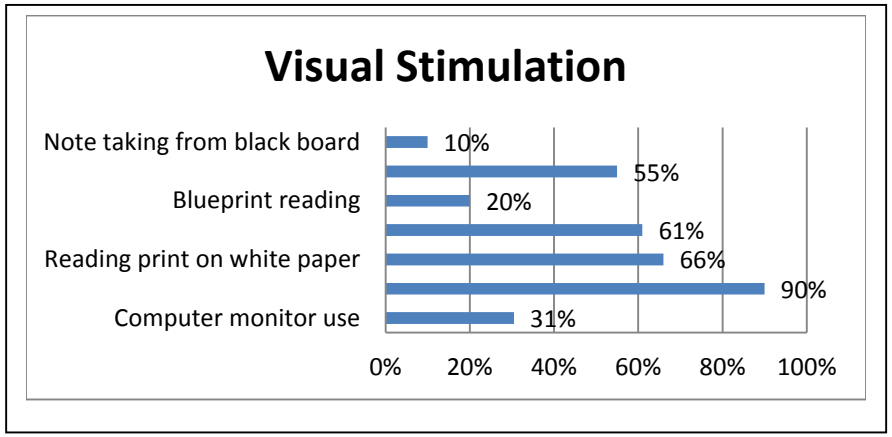


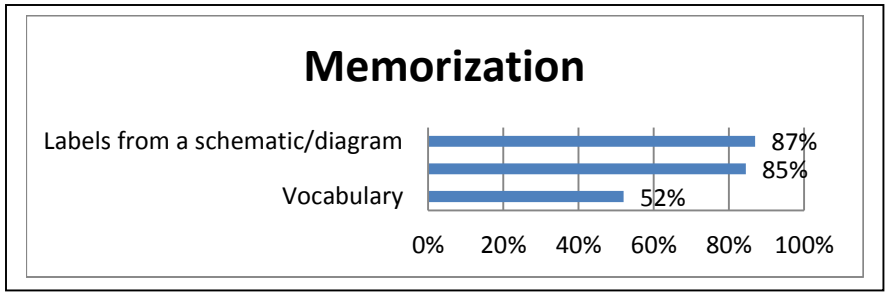


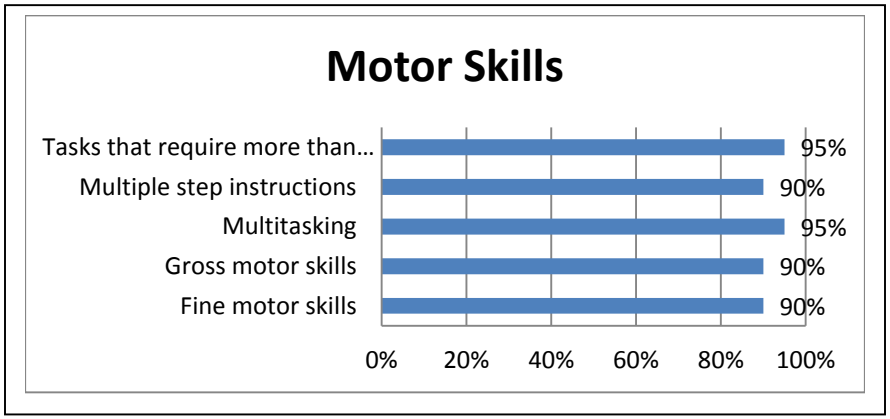


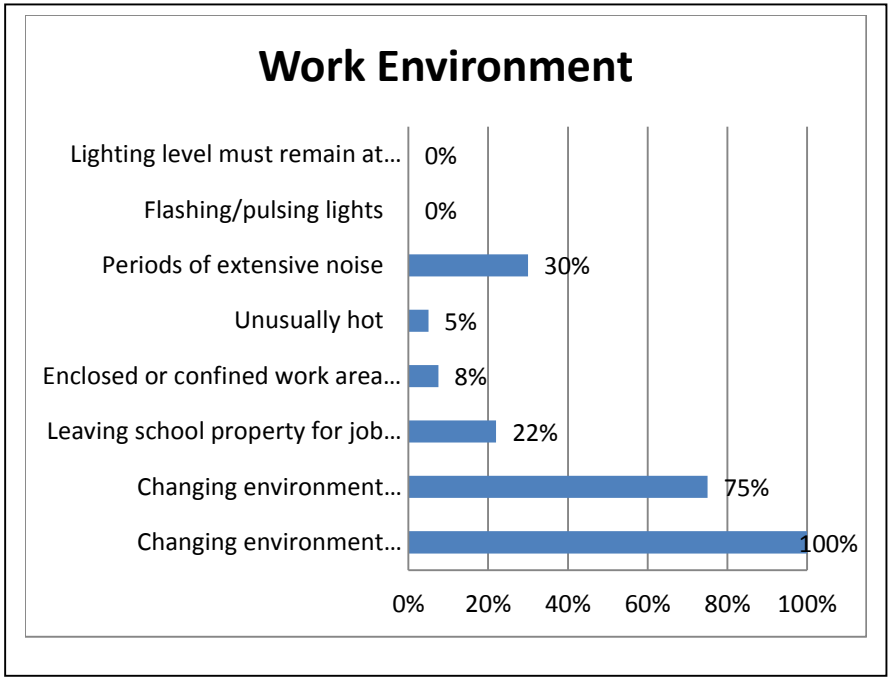


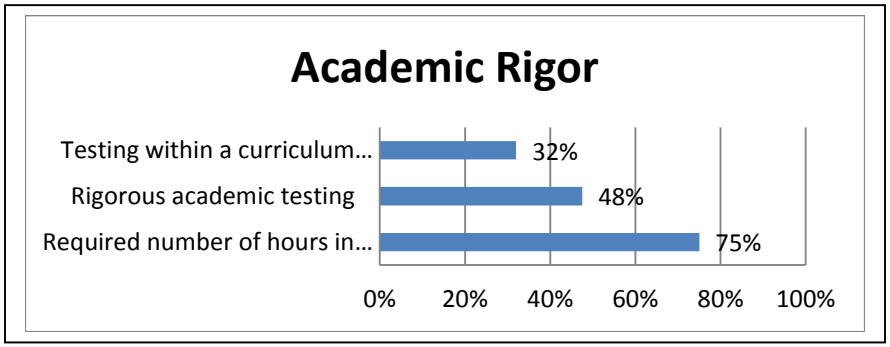
© 2014 Indiana County Technology Center



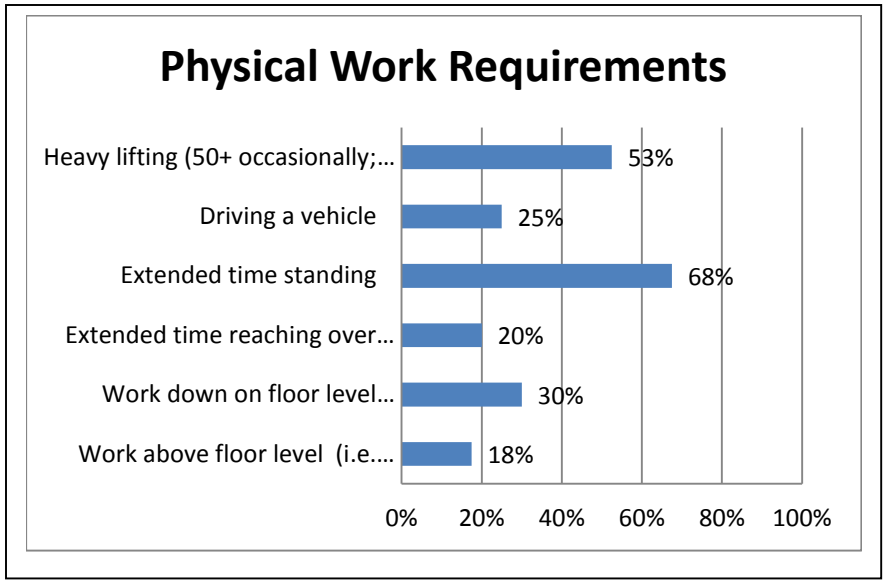


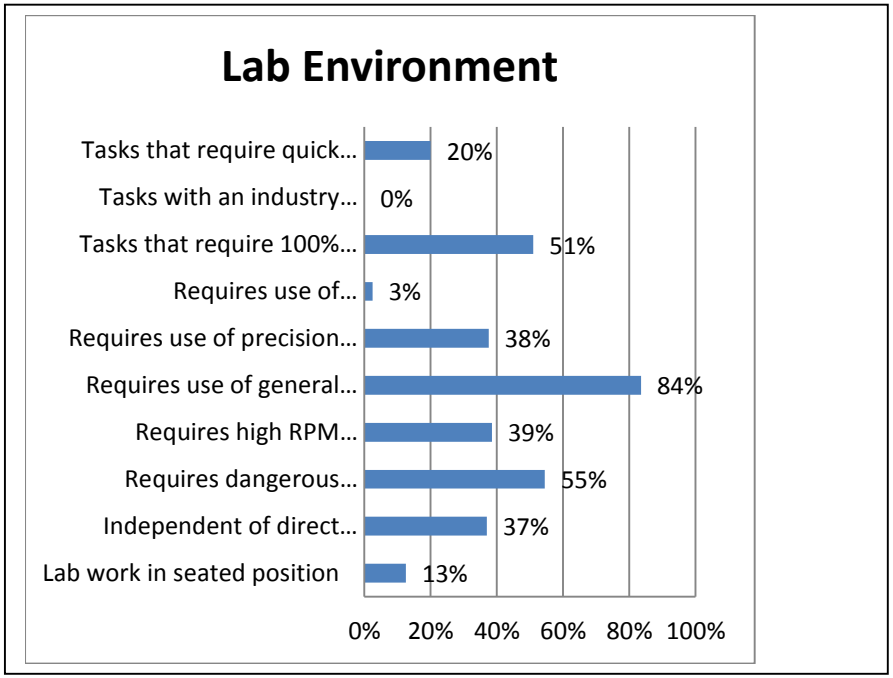


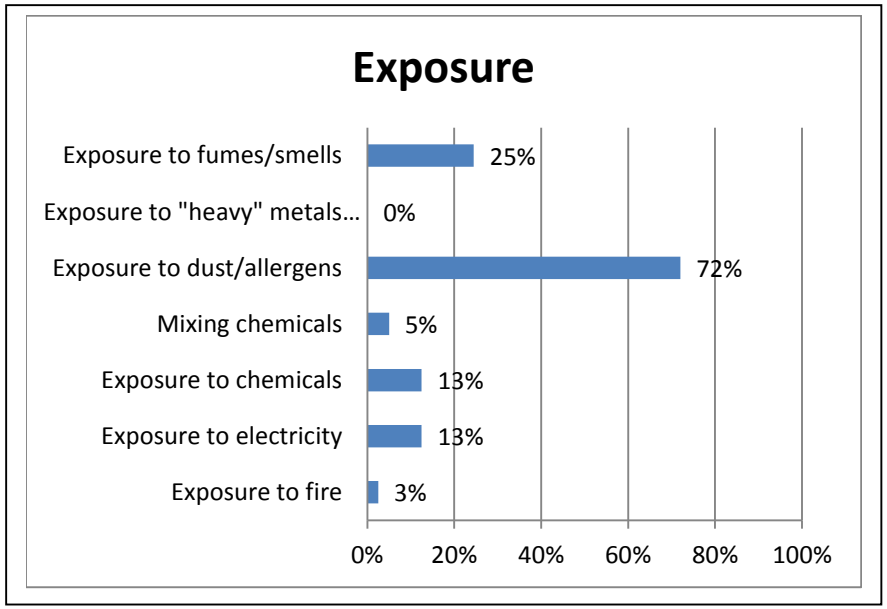


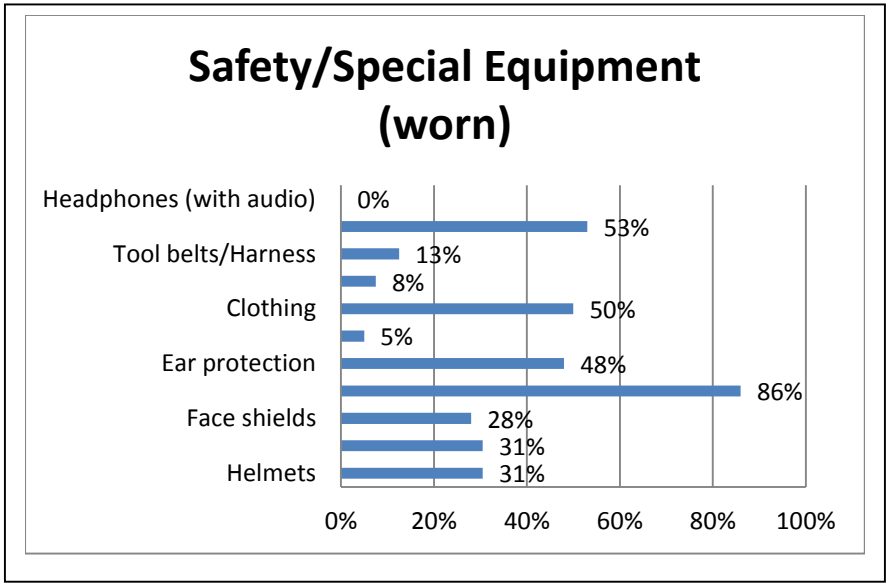


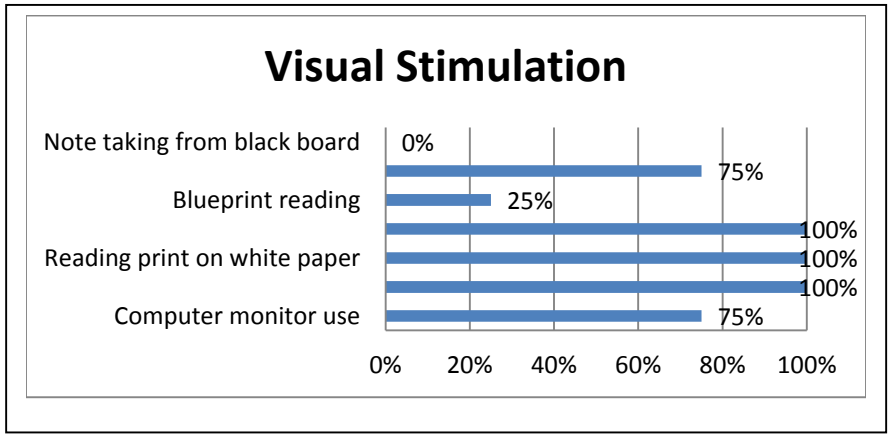
Print 01.6001b
Program Index
SR2CTC Checklist

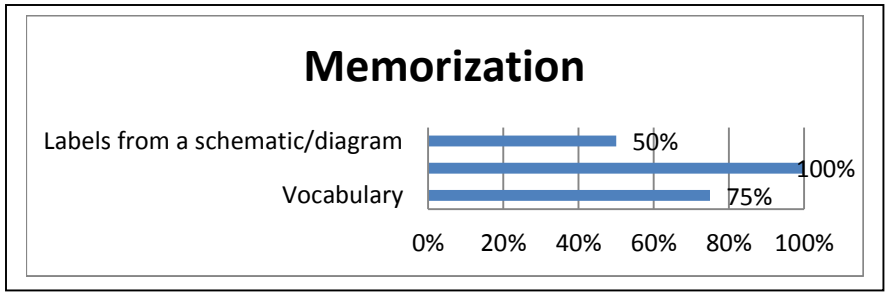

Physical Work Requirements
Heavy lifting (50+ occasionally;...
53%
Driving a vehicle
25%
Extended time standing
68%
Extended time reaching over...
20%
Work down on floor level...
30%
Work above floor level (i.e....
18%
0%
20%
40%
60%
80%
100%

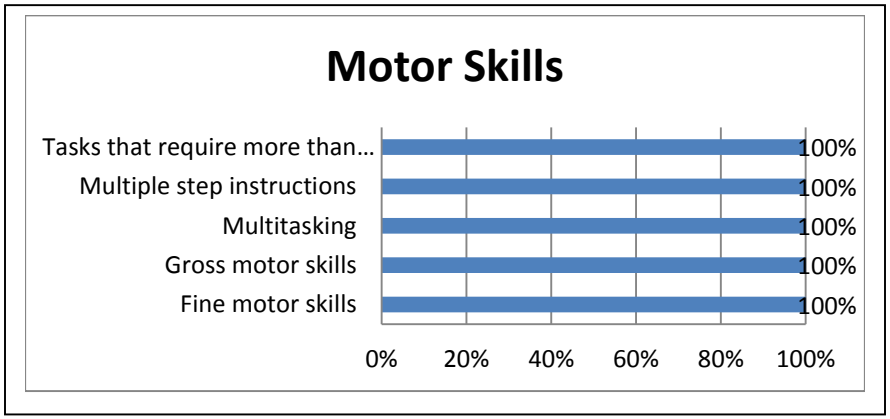

Lab Environment
Tasks that require quick...
20%
Tasks with an industry...
0%
Tasks that require 100%...
51%
Requires use of...
3%
Requires use of precision...
38%
Requires use of general...
84%
Requires high RPM...
39%
Requires dangerous...
55%
Independent of direct...
37%
Lab work in seated position
13%
0%
20%
40%
60%
80%
100%

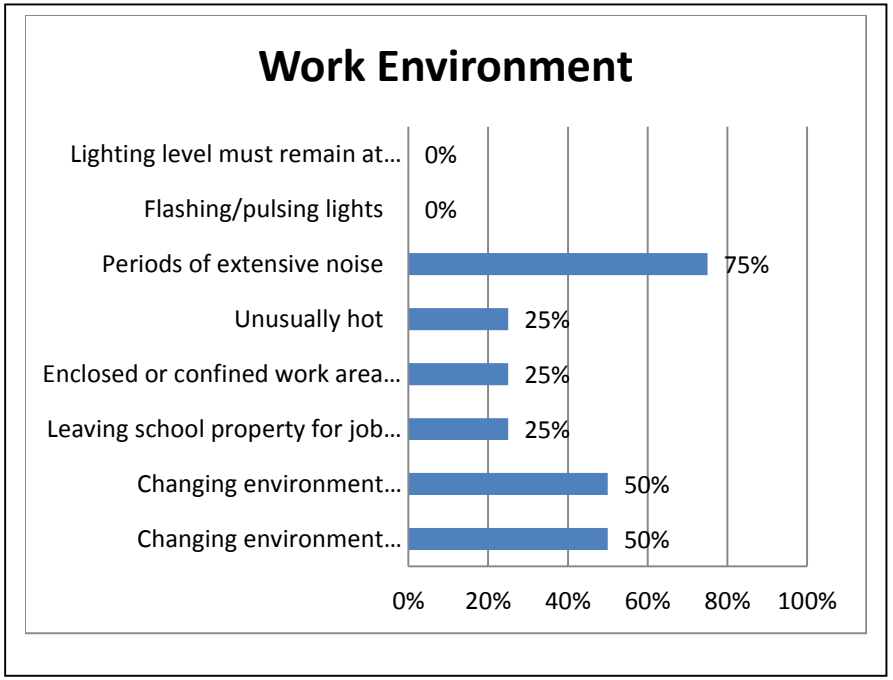

Exposure
Exposure to fumes/smells
25%
Exposure to "heavy" metals...
0%
Exposure to dust/allergens
72%
Mixing chemicals
5%
Exposure to chemicals
13%
Exposure to electricity
13%
Exposure to fire
3%
0%
20%
40%
60%
80%
100%

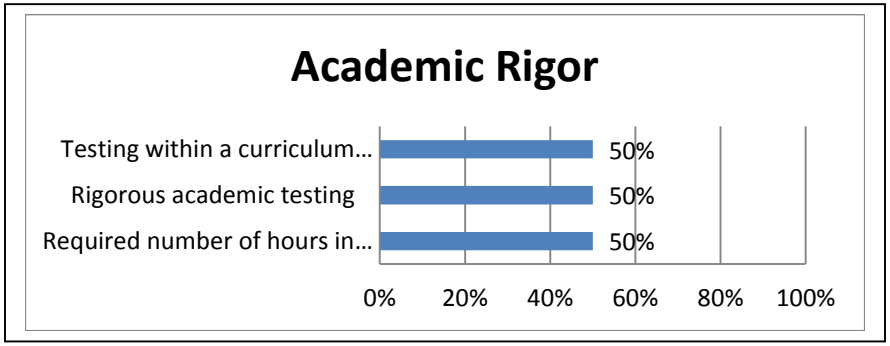

Safety/Special Equipment (worn)
Headphones (with audio)
0%
53%
Tool belts/Harness
13%
8%
Clothing
50%
5%
Ear protection
48%
86%
Face shields
28%
31%
Helmets
31%
0%
20%
40%
60%
80%
100%







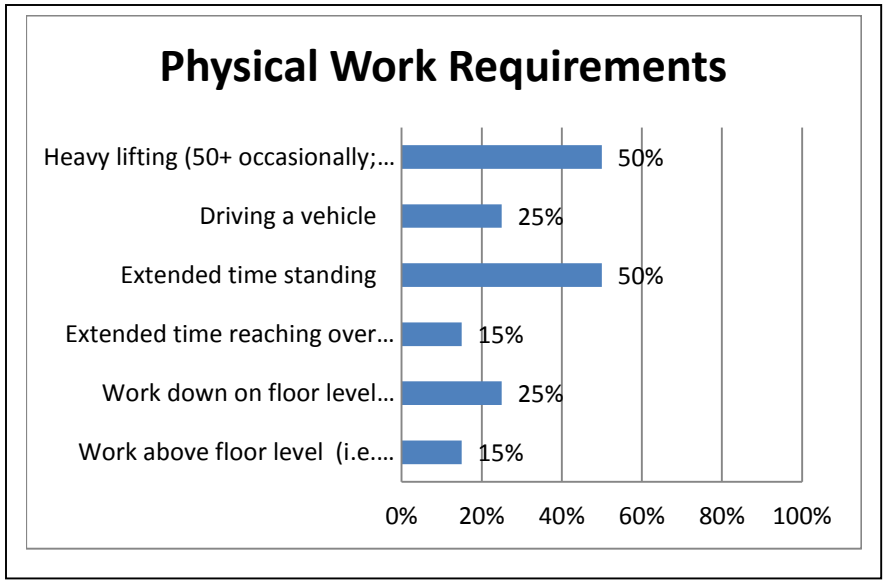


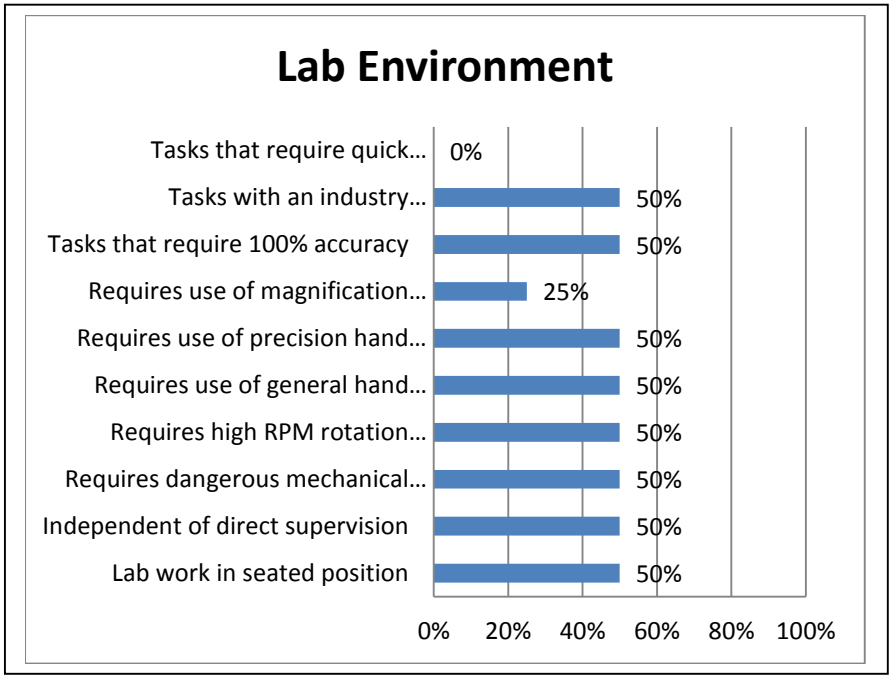


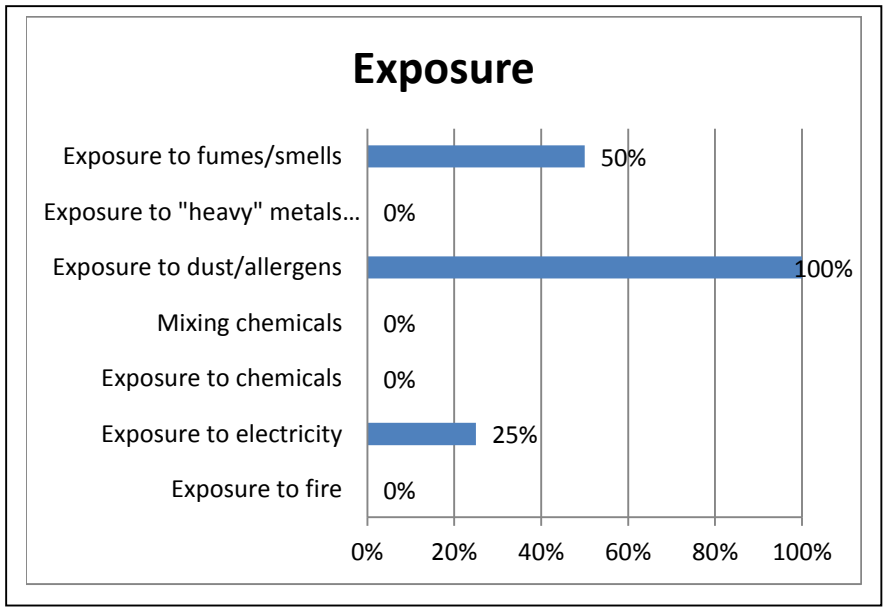
Print 03.0511
Program Index
SR2CTC Checklist

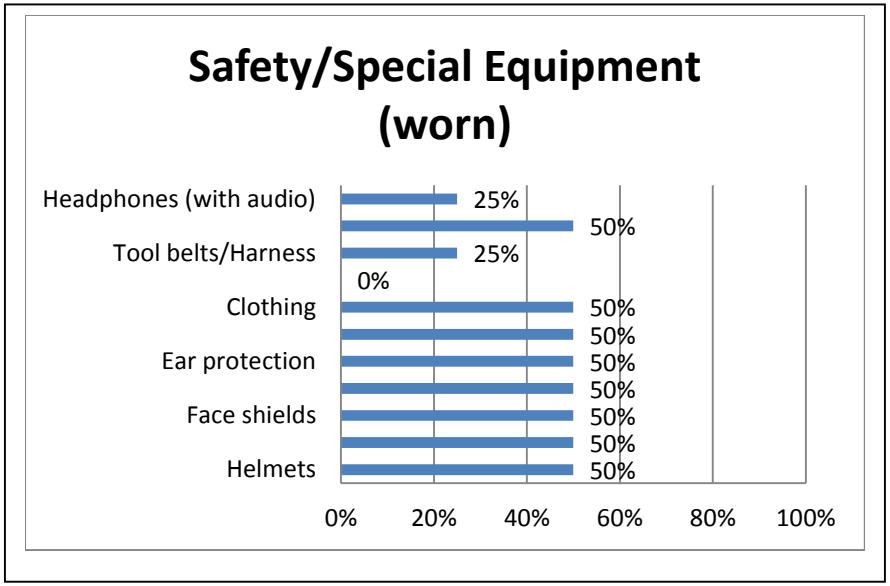
03.0511 Forestry Technology – TP

© 2014 Indiana County Technology Center

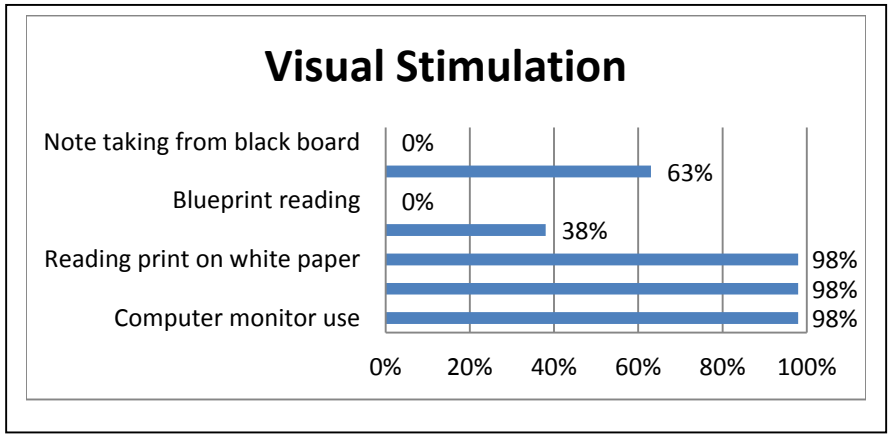


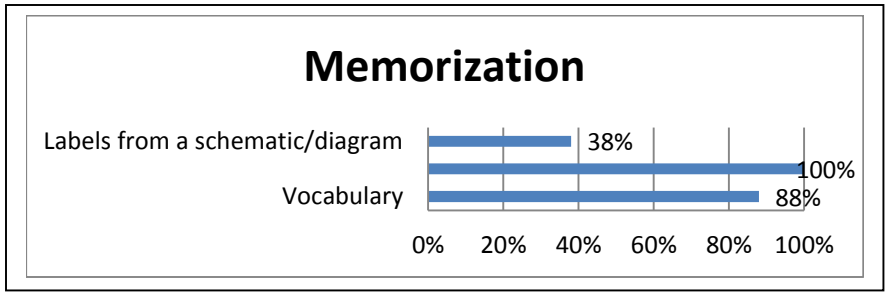


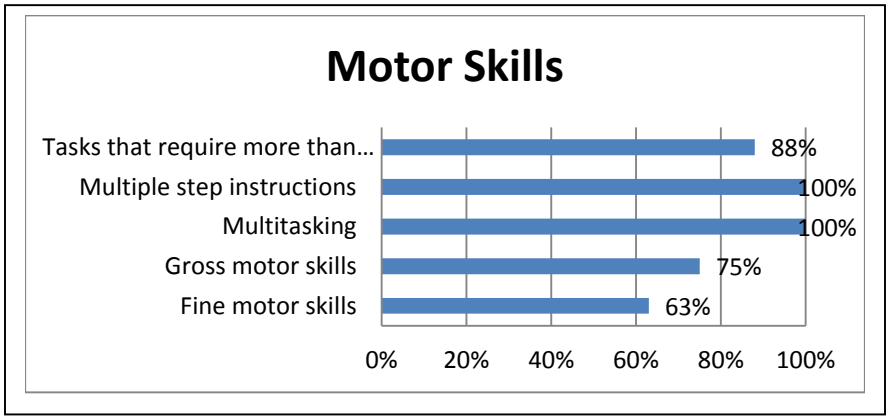


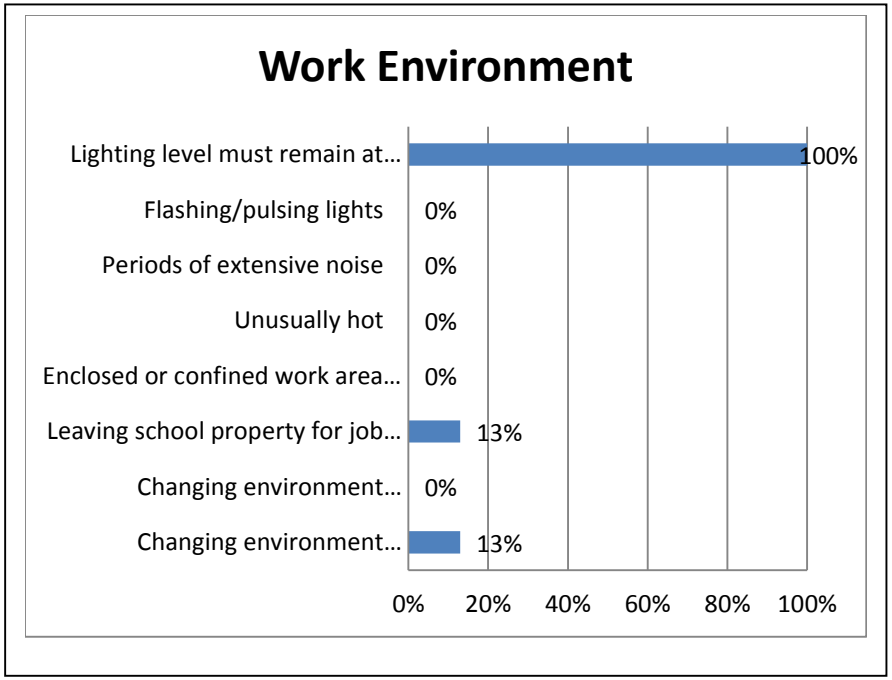


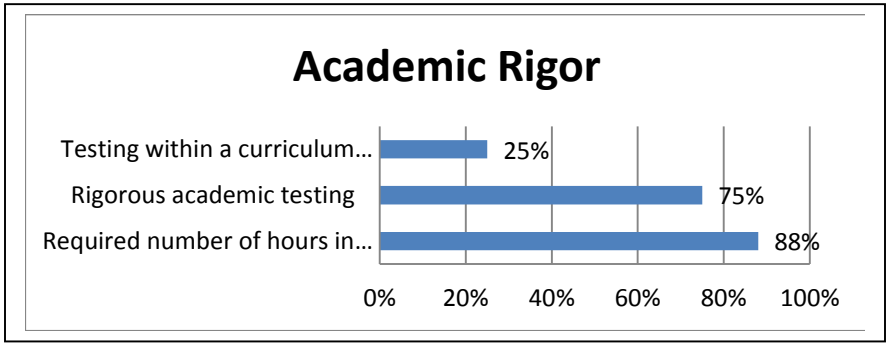
© 2014 Indiana County Technology Center







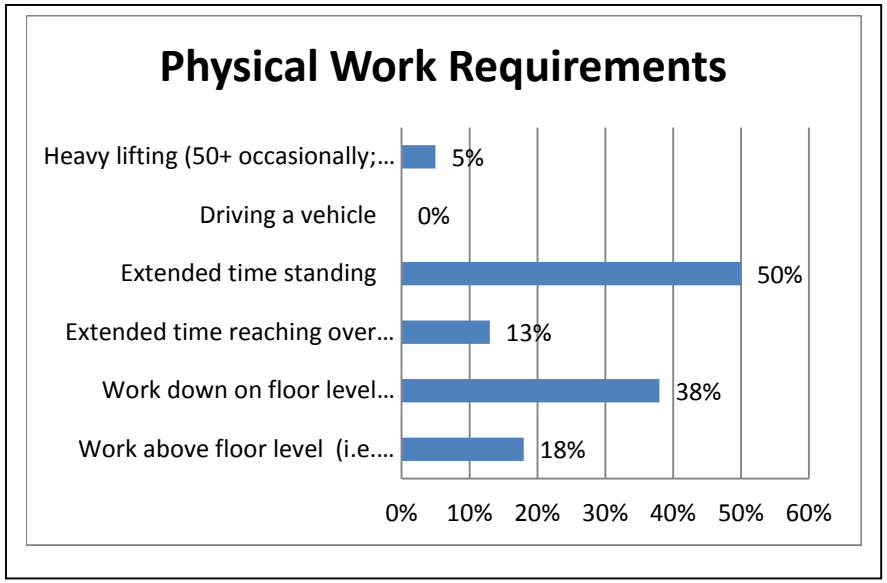


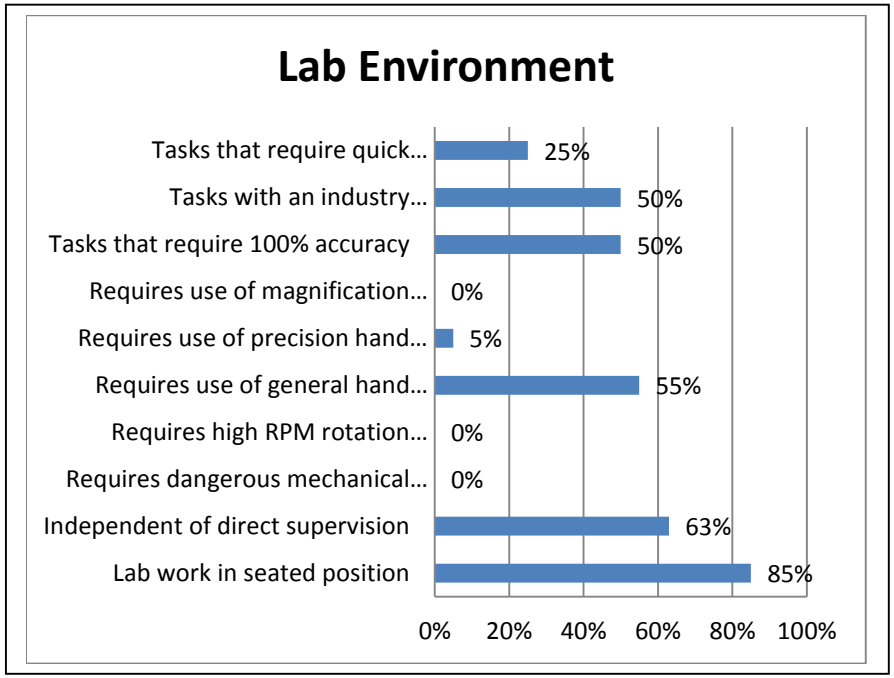


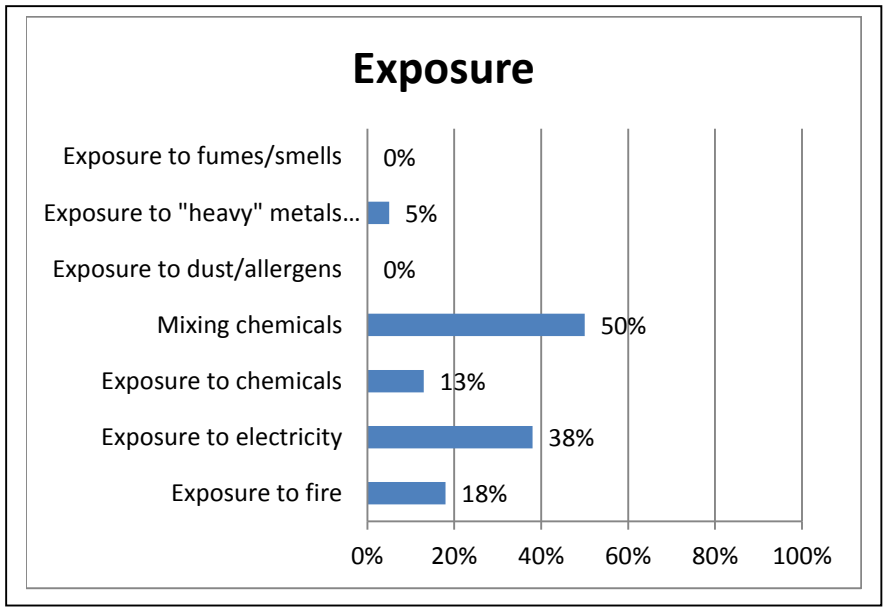
Print 09.0702
Program Index
SR2CTC Checklist

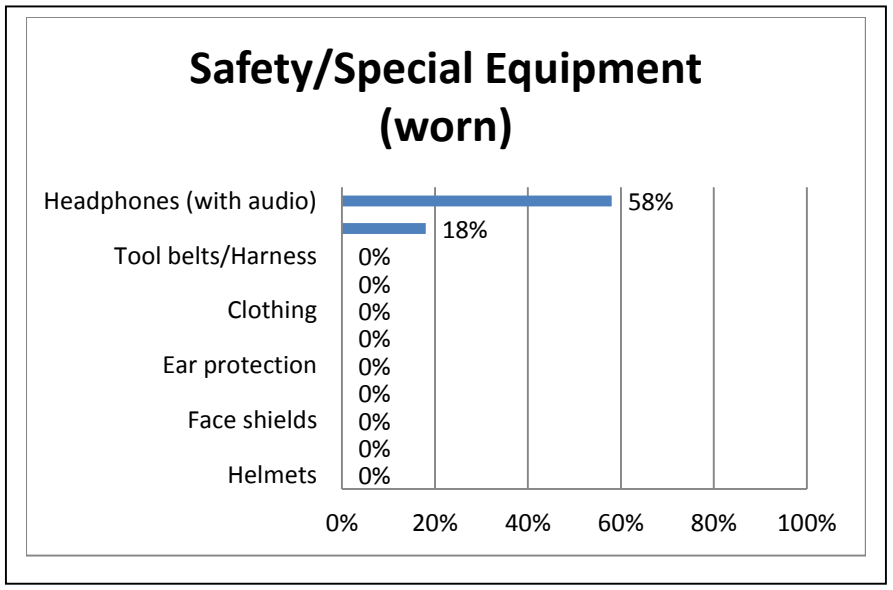
09.0702 Digital Communications and Media – TP

© 2014 Indiana County Technology Center

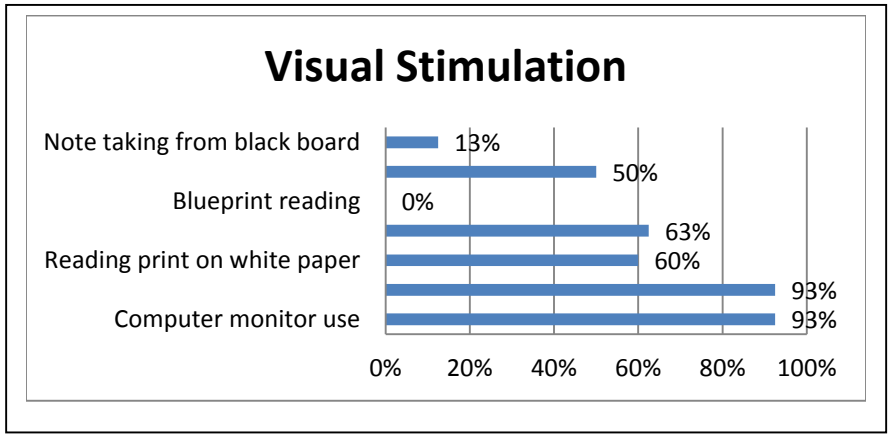


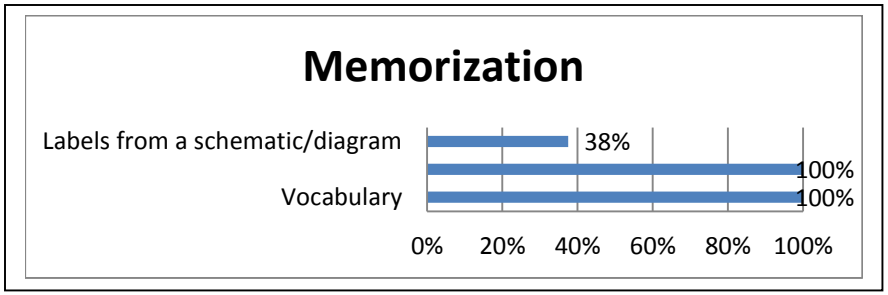


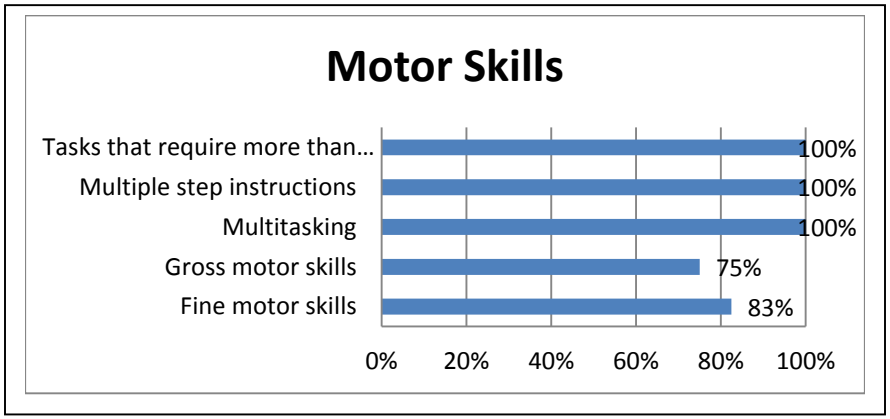


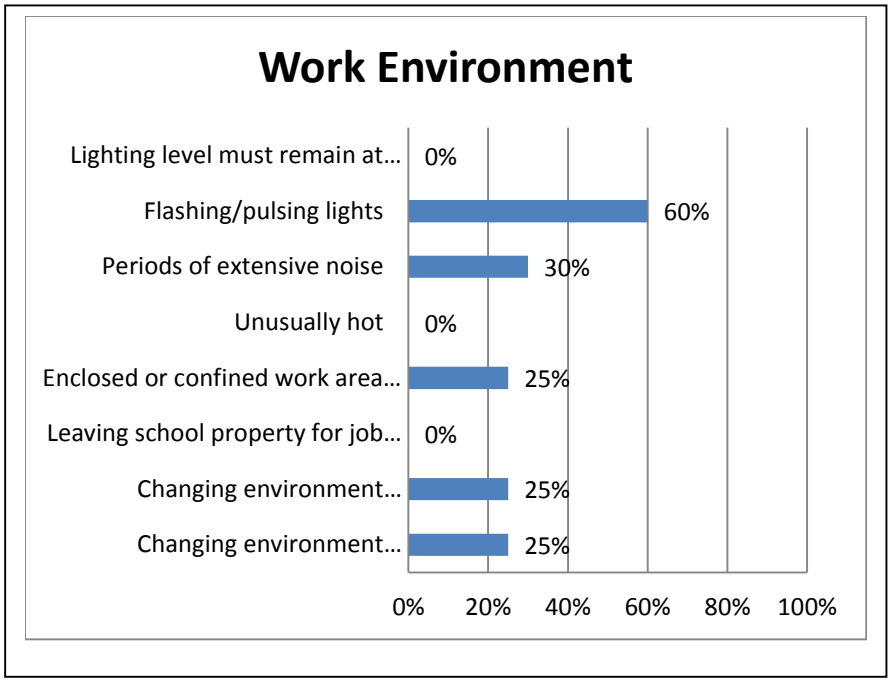


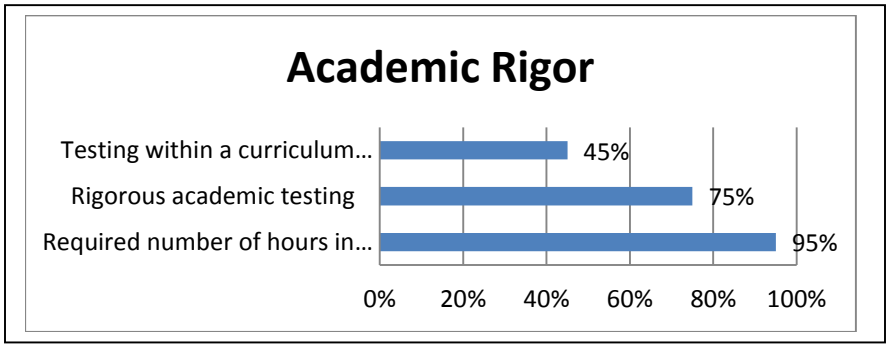
© 2014 Indiana County Technology Center







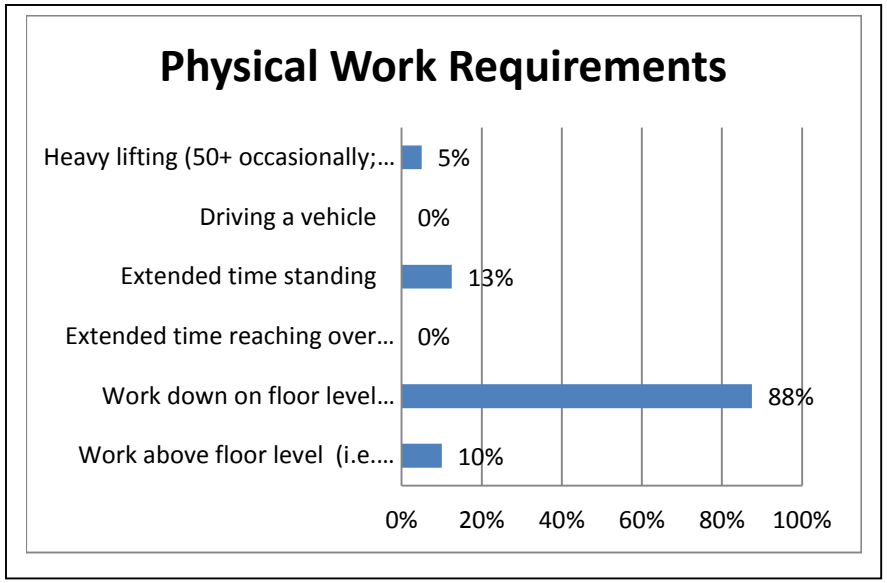


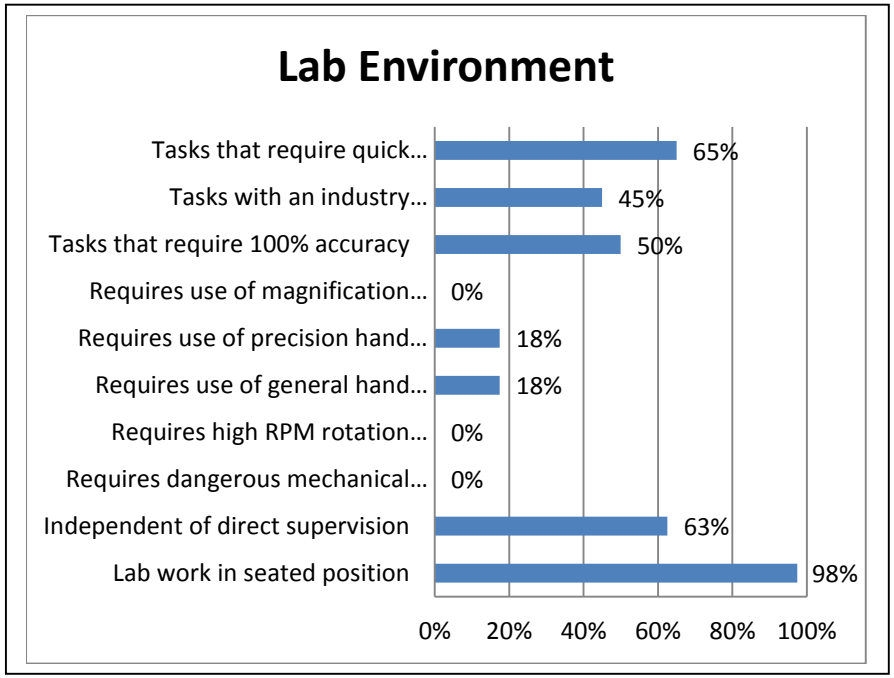


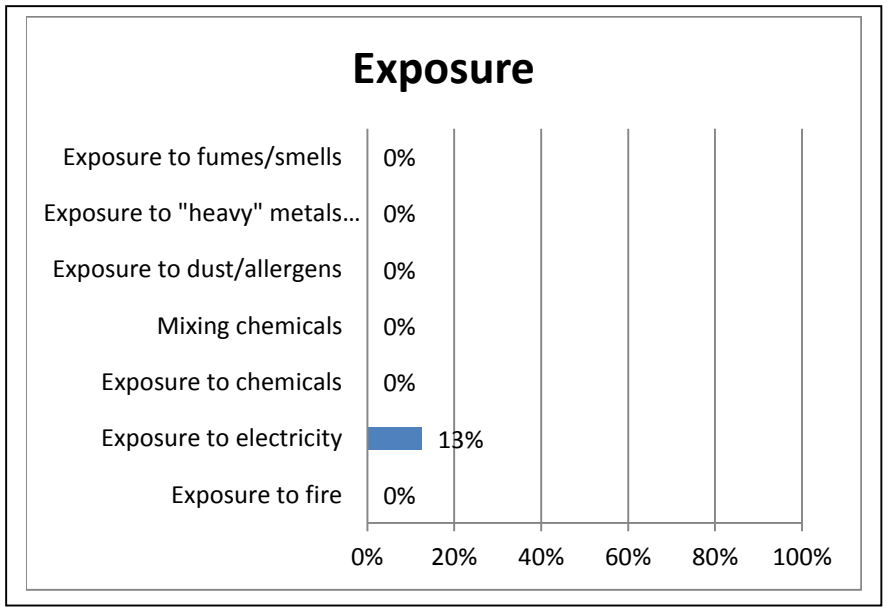
Print 10.9999
Program Index
SR2CTC Checklist

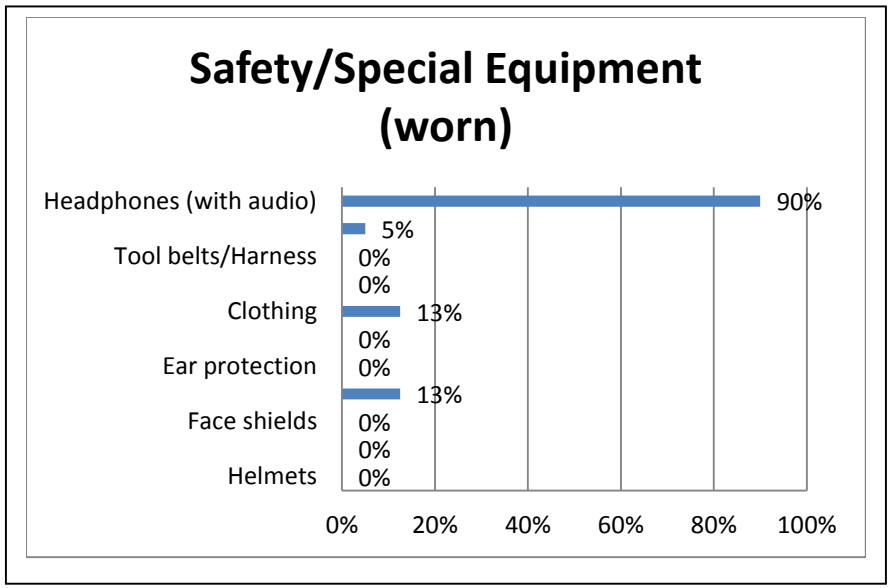
10.9999 Communications Technologies – TP

© 2014 Indiana County Technology Center

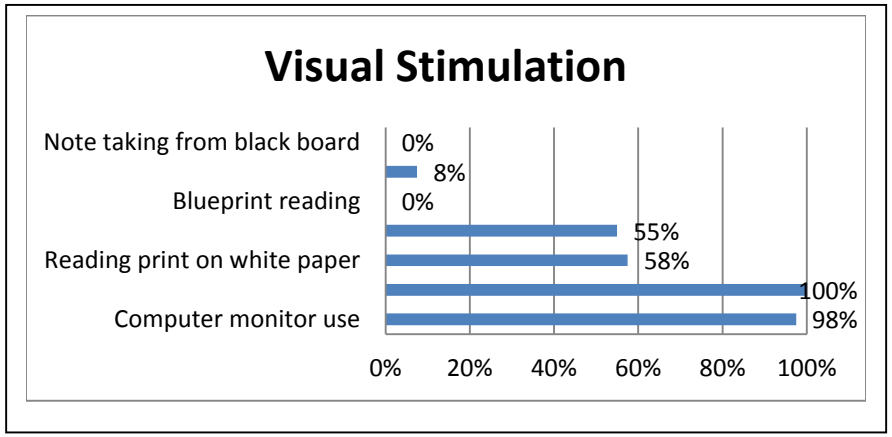


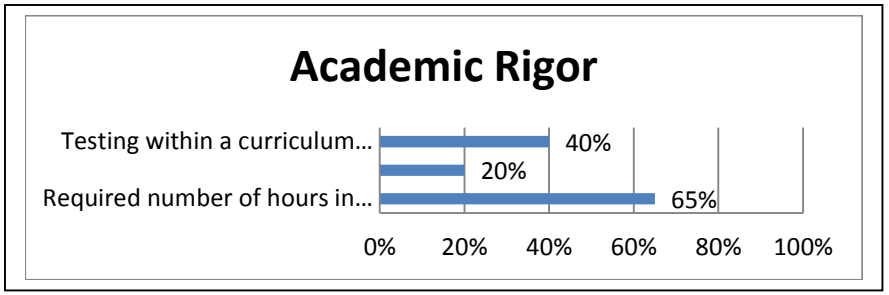


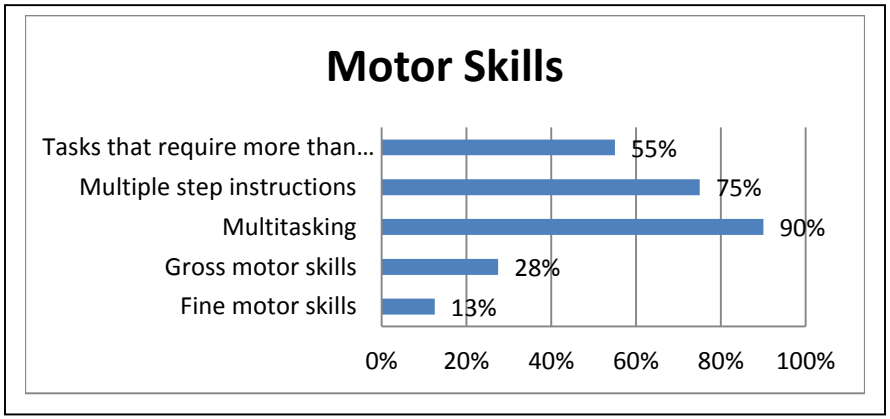


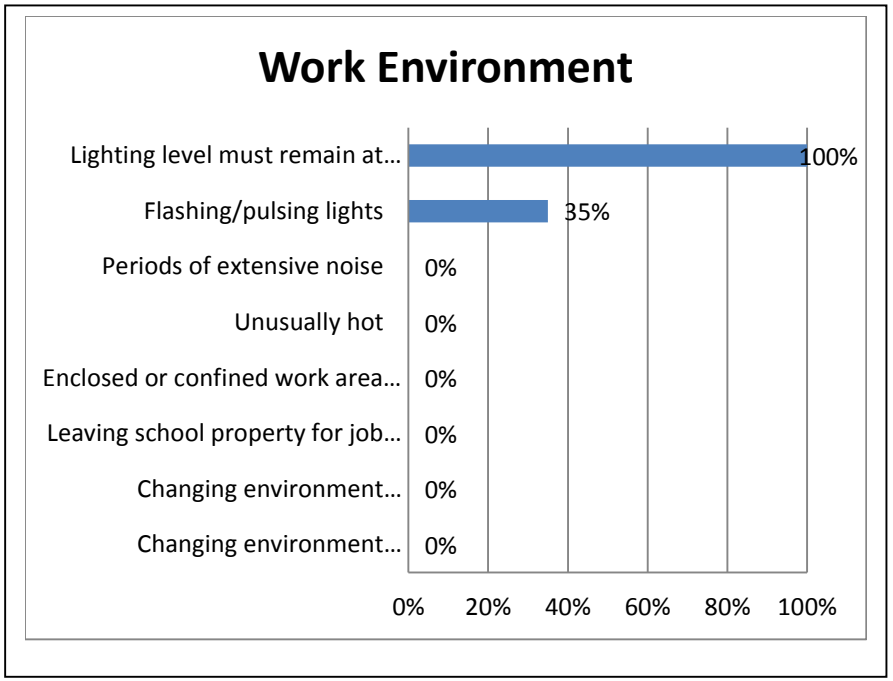


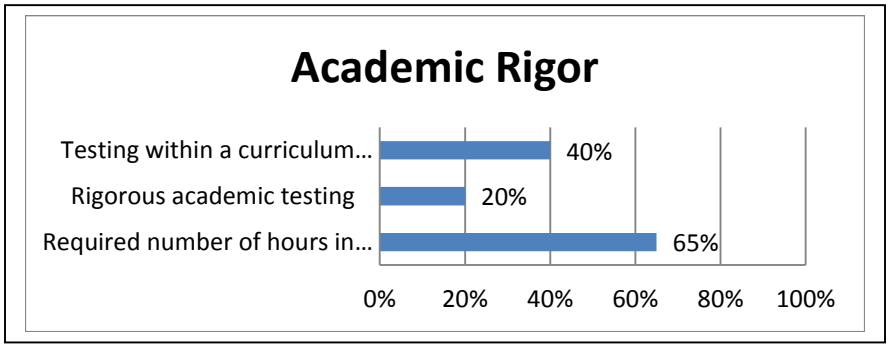
© 2014 Indiana County Technology Center











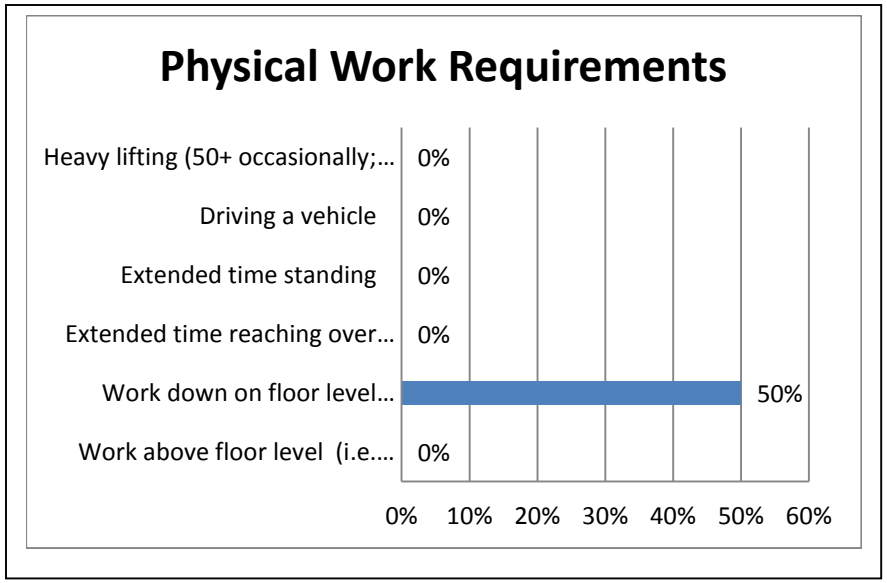
Print 11.0801

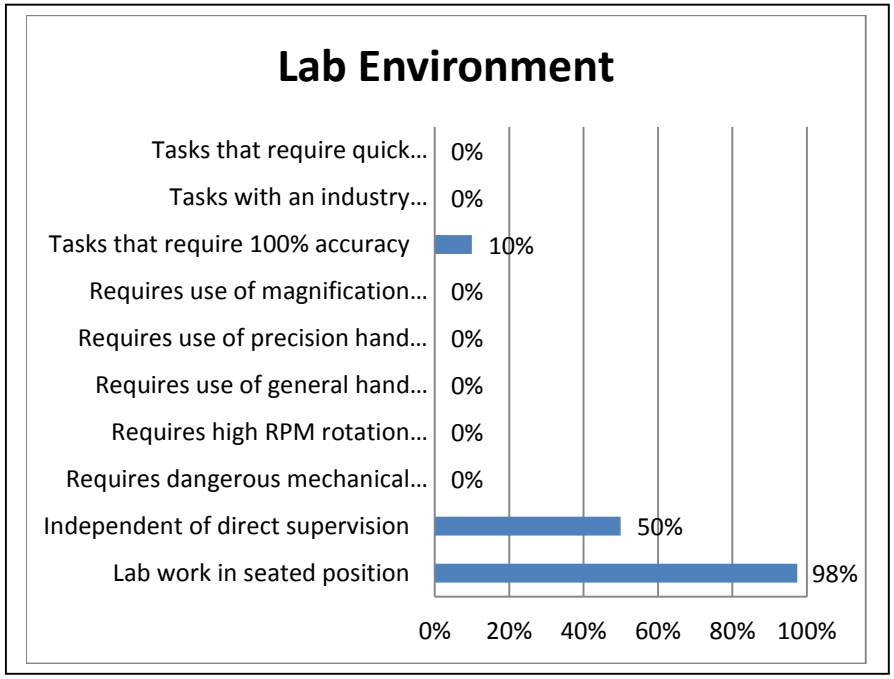
Program Index

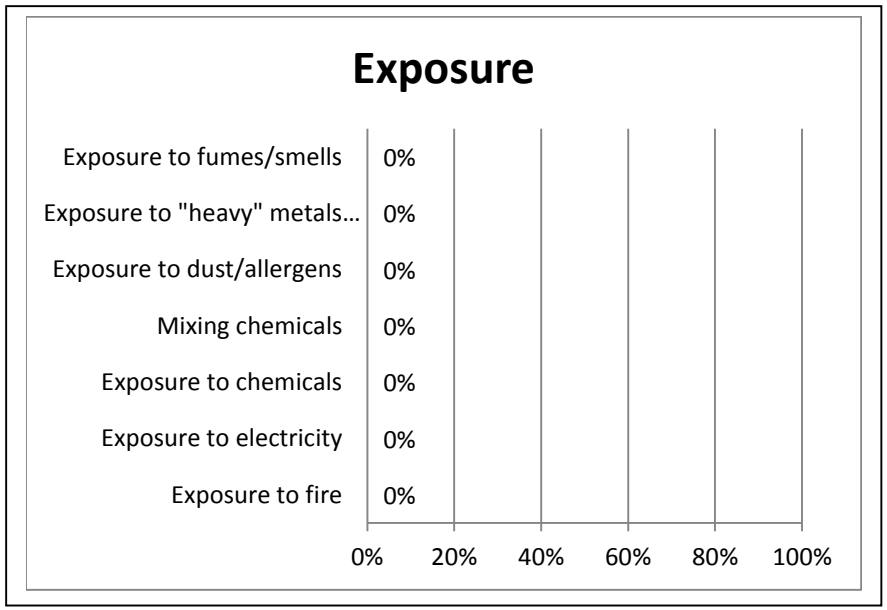
SR2CTC Checklist

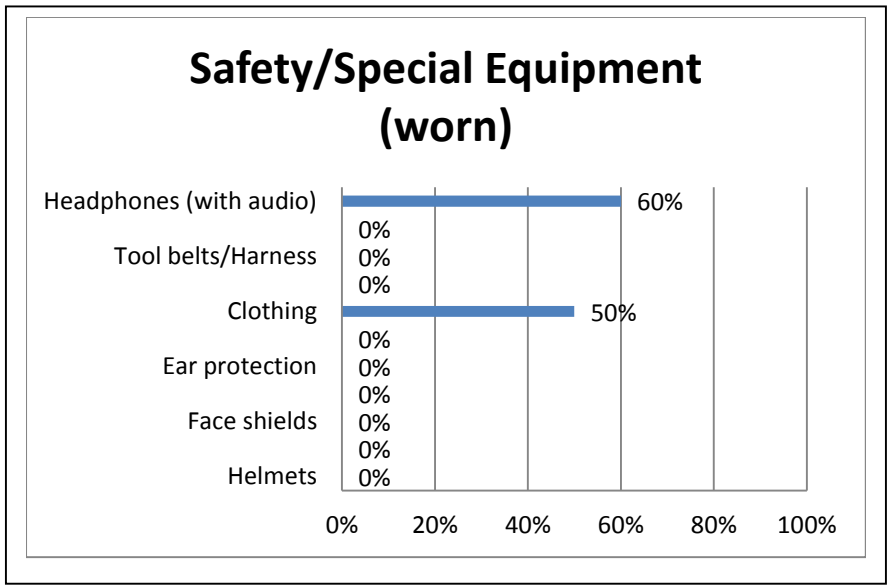
11.0801 Web Page Digital /Multimedia – POS

© 2014 Indiana County Technology Center

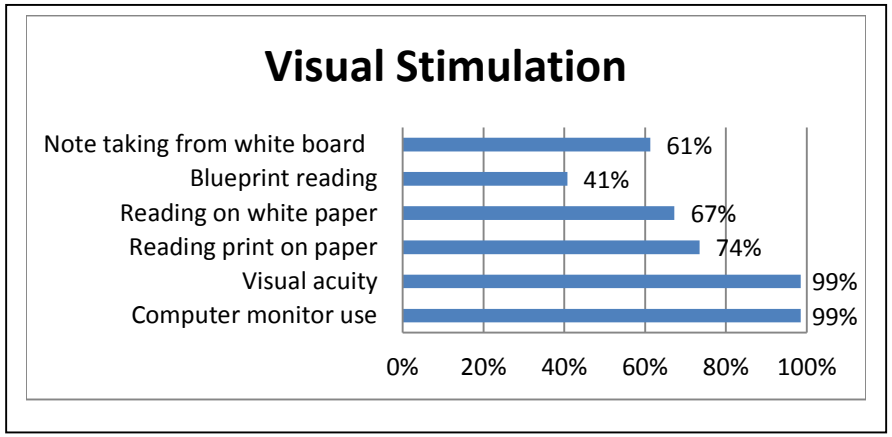


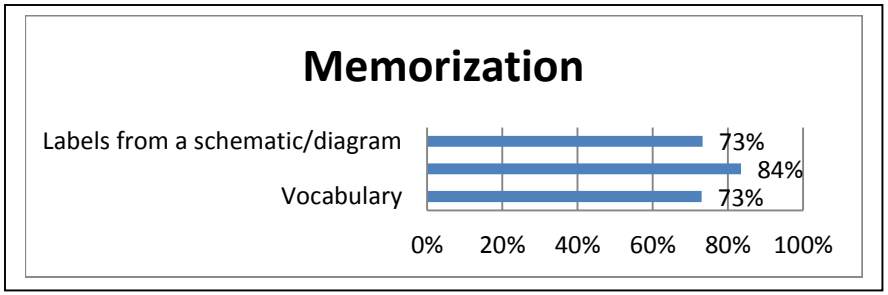


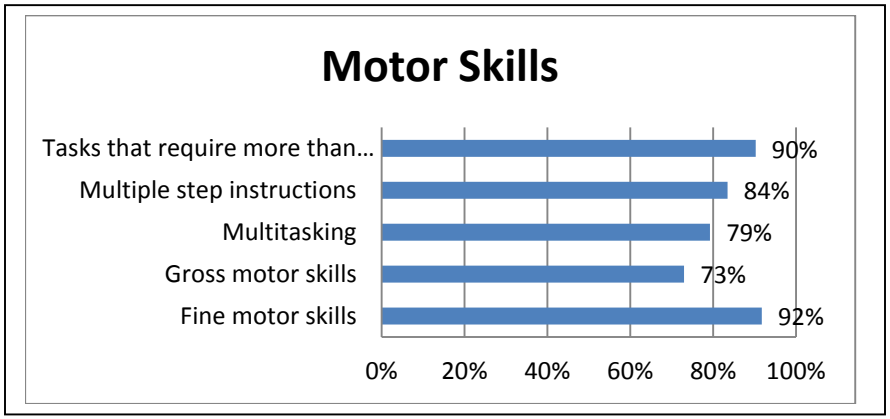


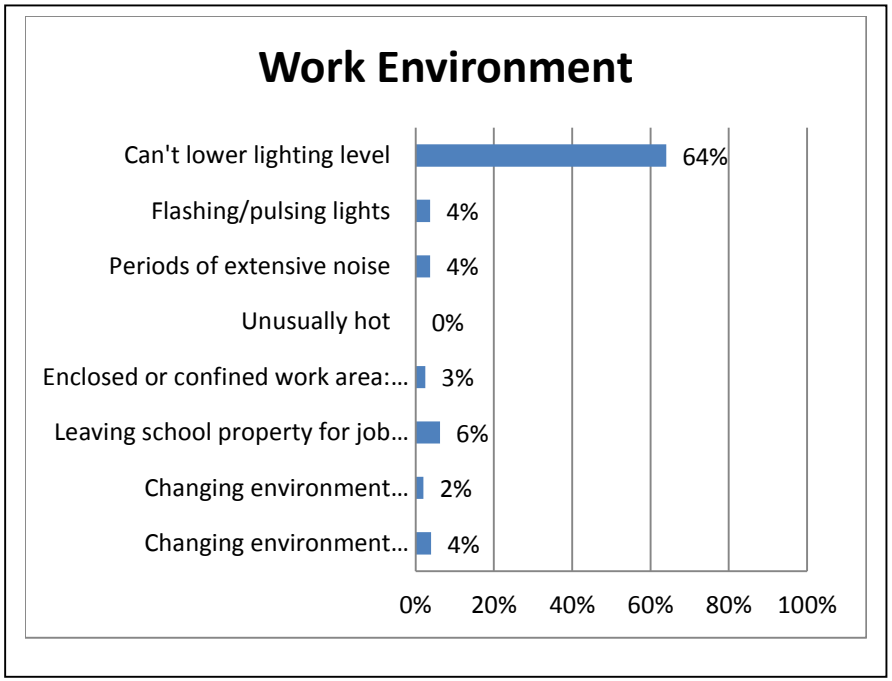


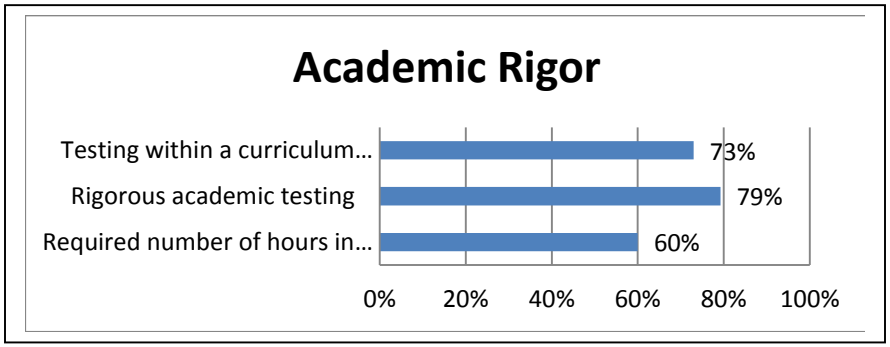
© 2014 Indiana County Technology Center







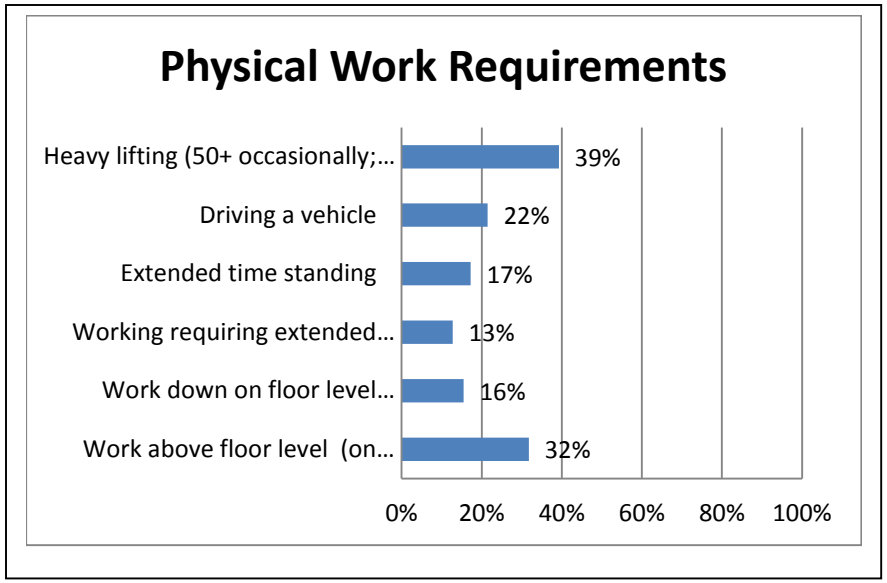


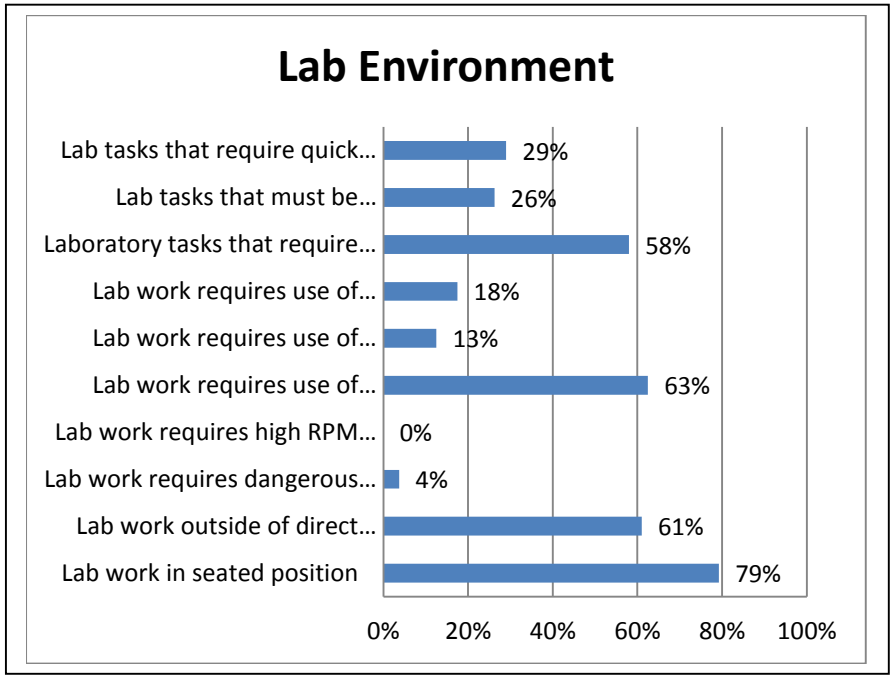


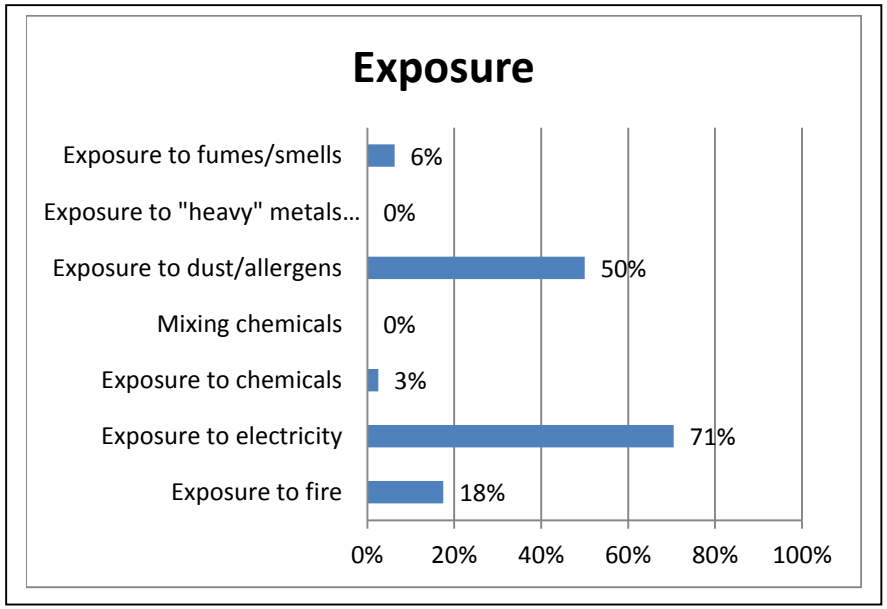
Print 11.0901
Program Index
SR2CTC Checklist

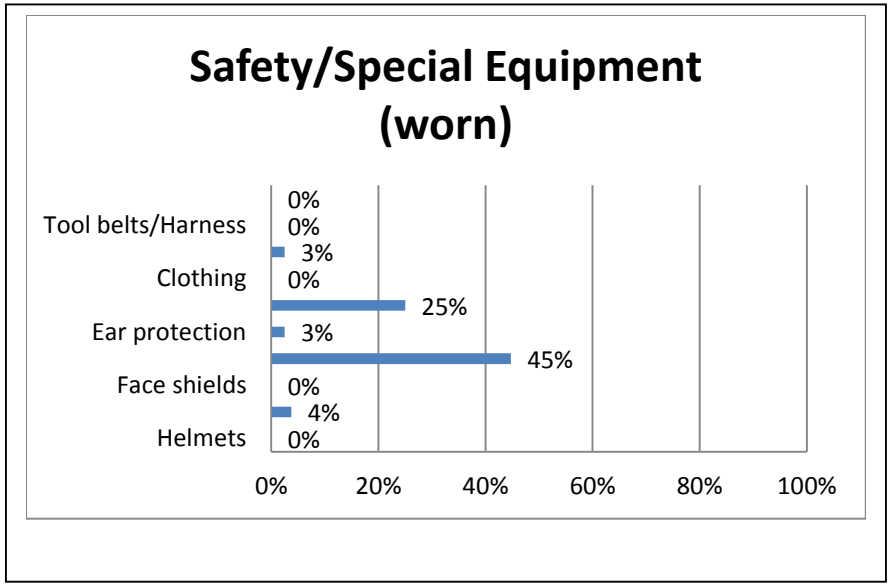
11.0901 Computer Systems Networking and Telecommunications – POS

© 2014 Indiana County Technology Center

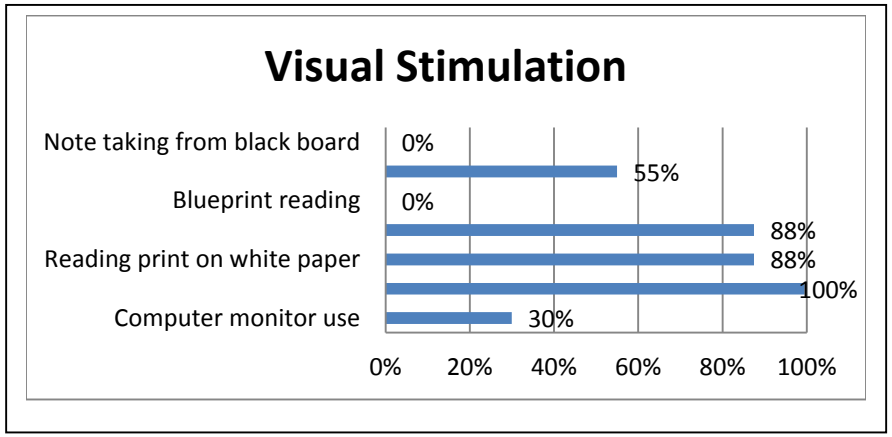


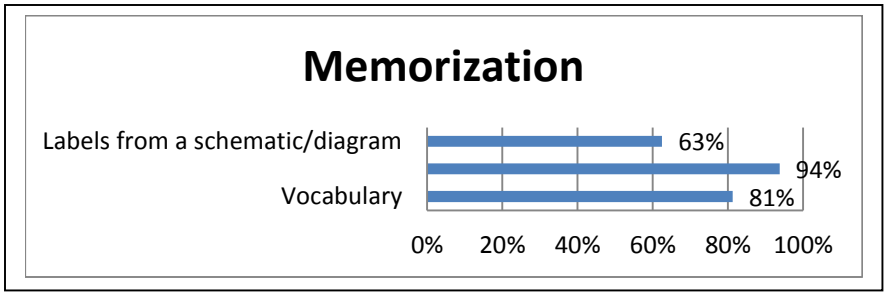


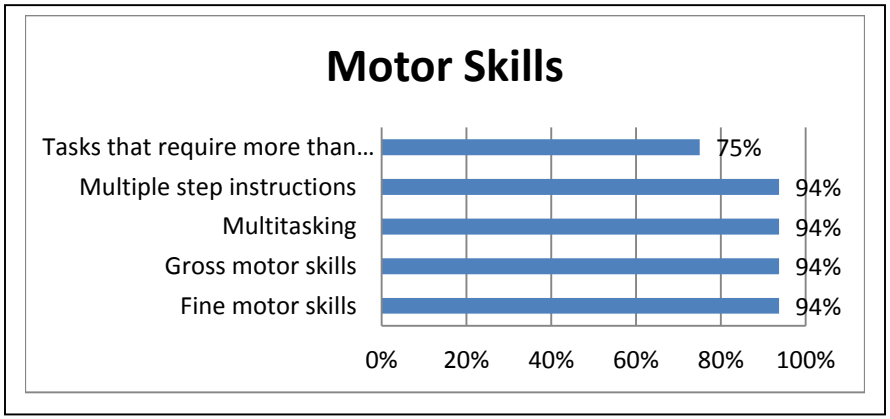


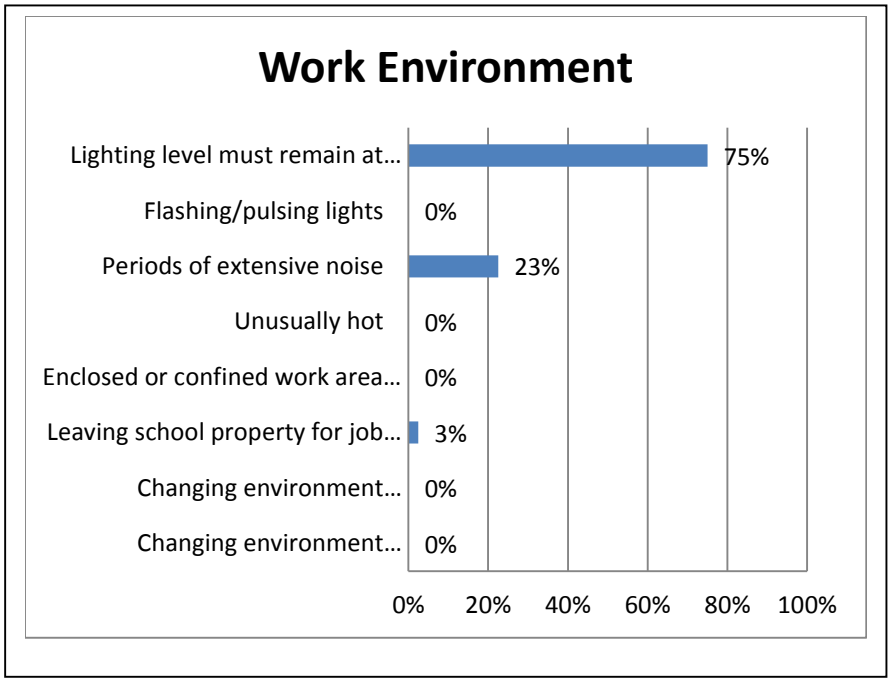


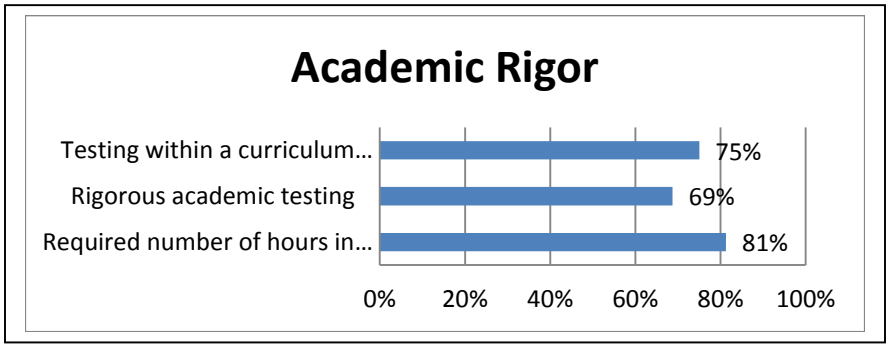
© 2014 Indiana County Technology Center







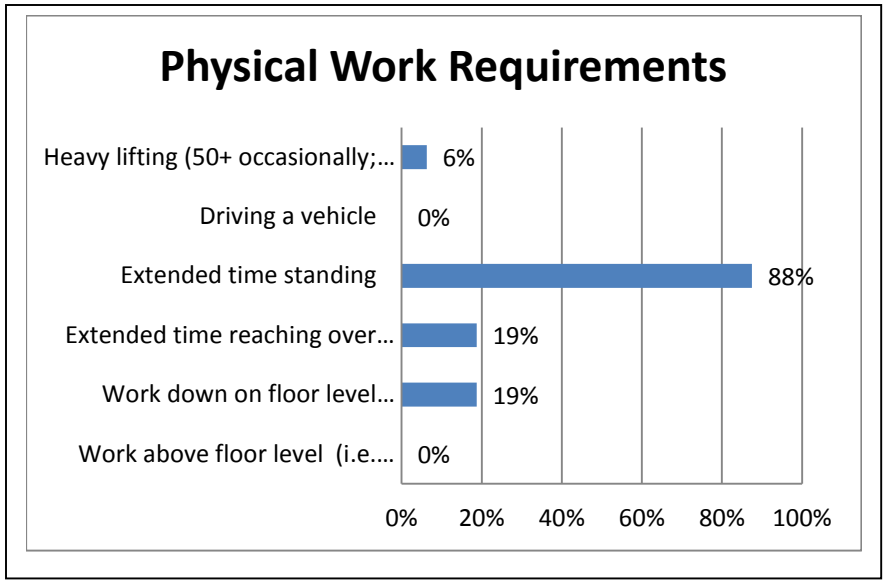


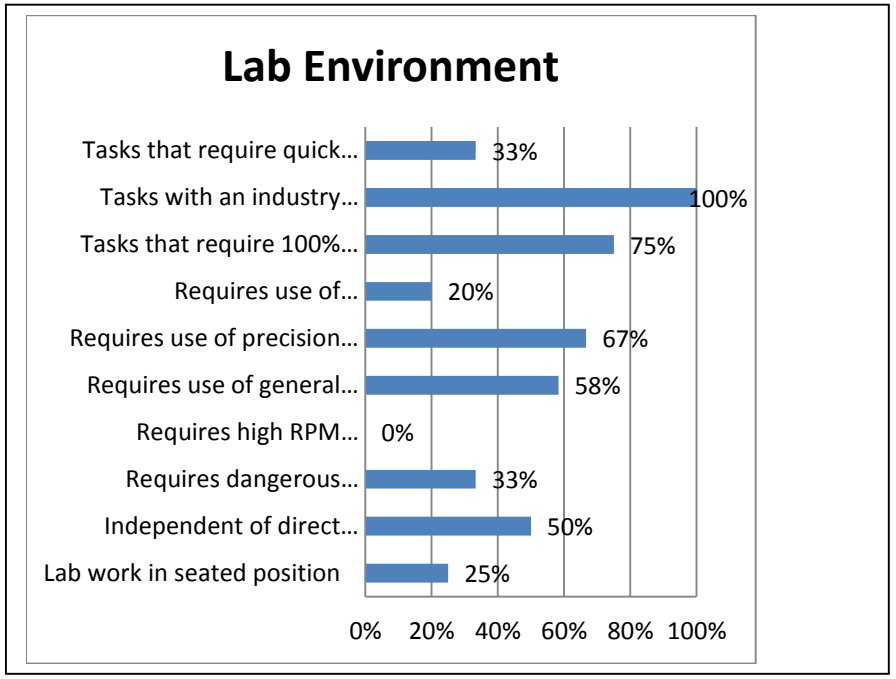


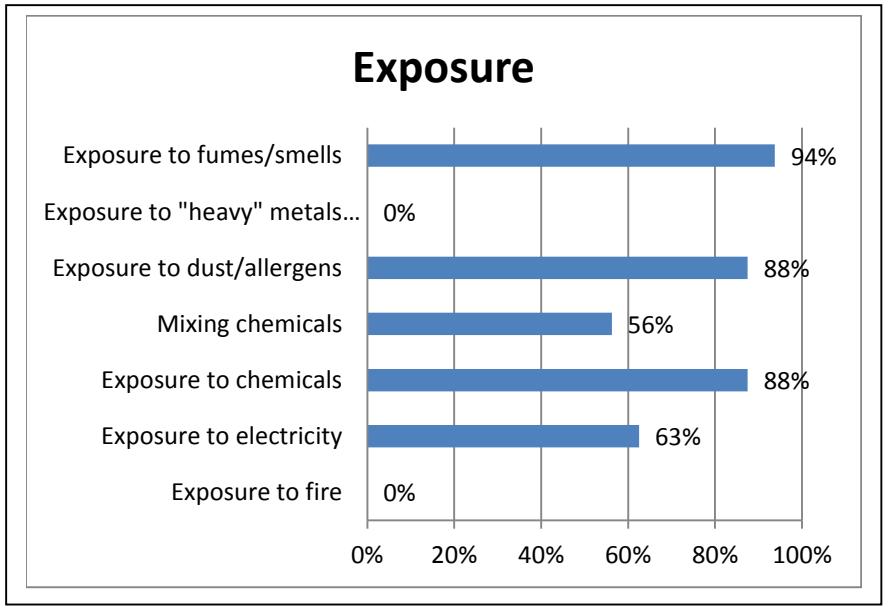
Print 12.0401
Program Index
SR2CTC Checklist

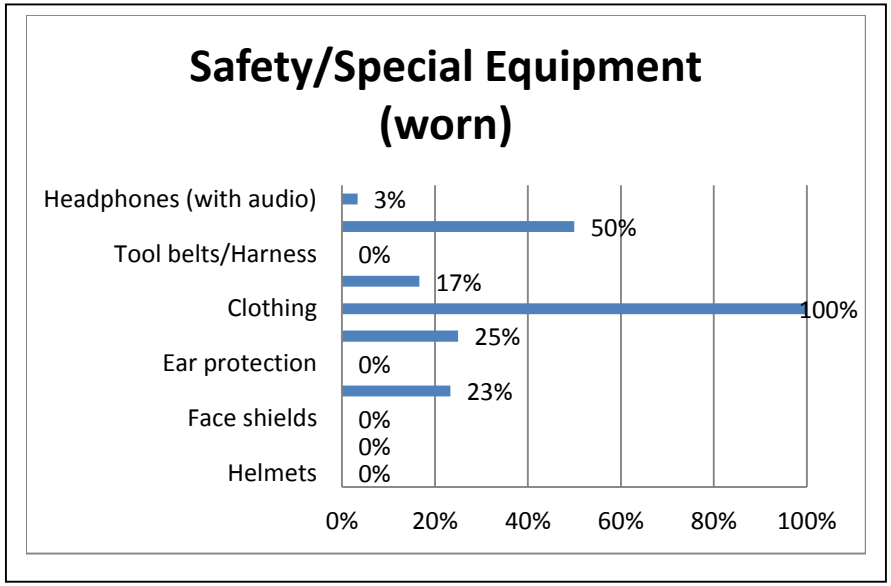
12.0401 Cosmetology Cosmetologist – TP

© 2014 Indiana County Technology Center

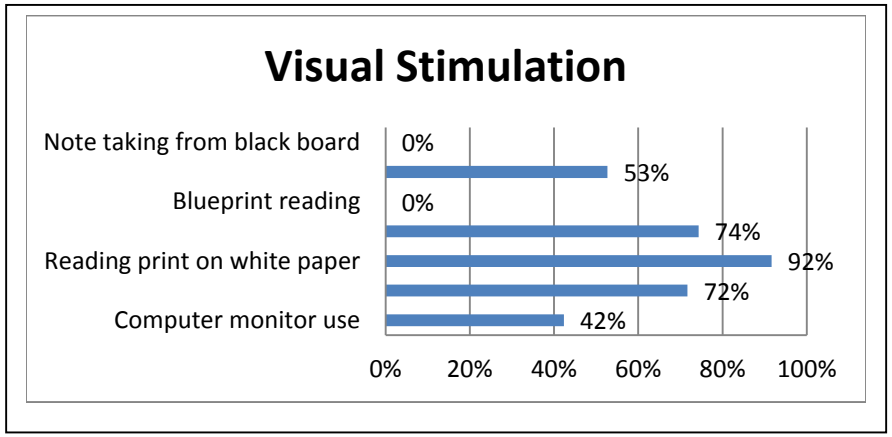


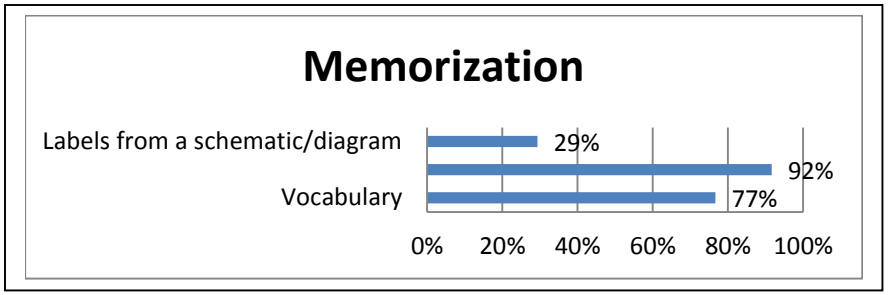


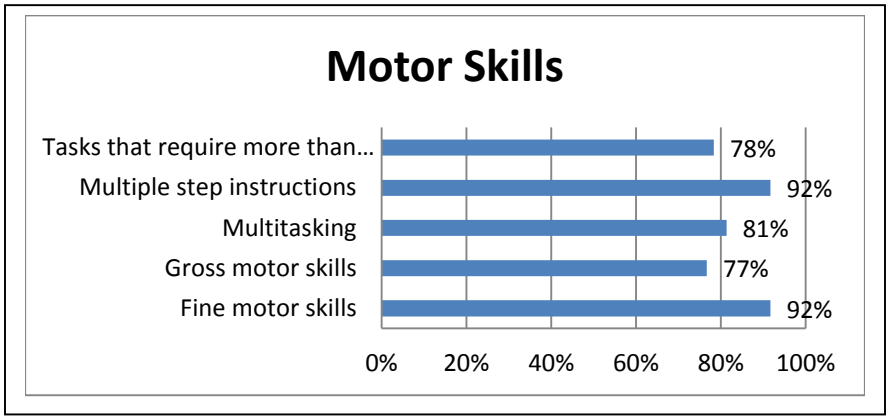


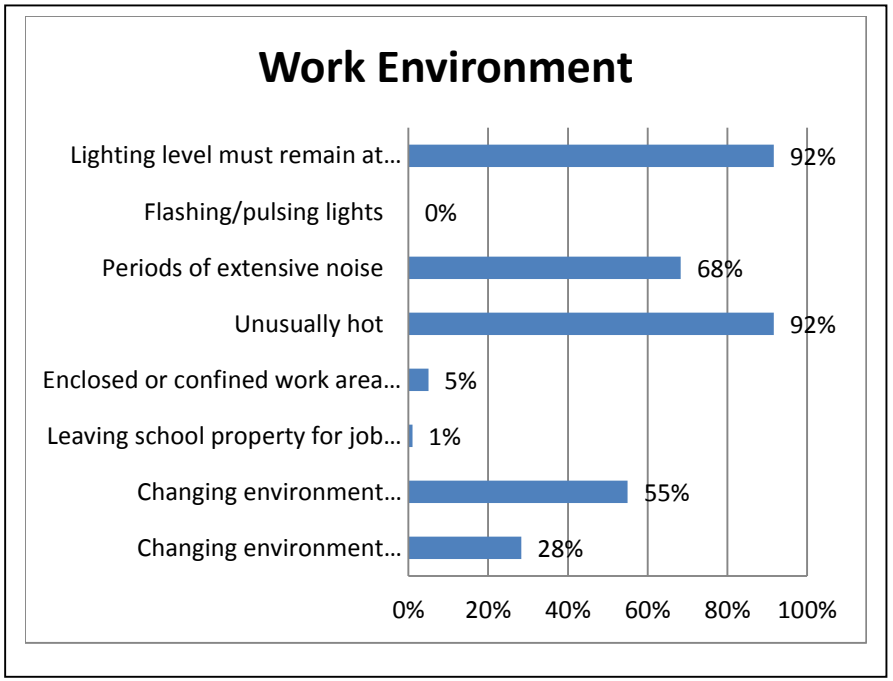


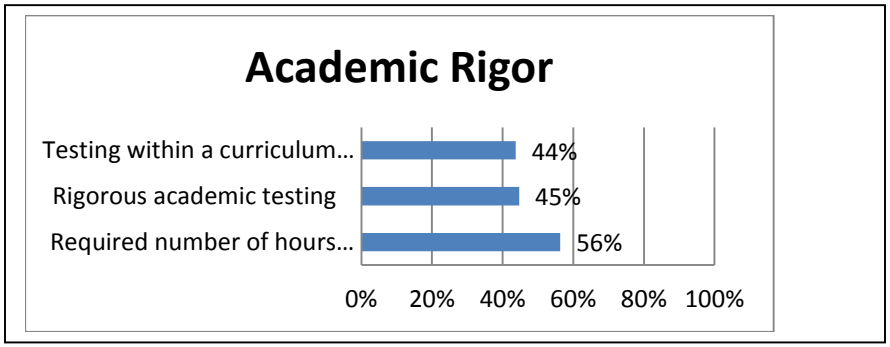
© 2014 Indiana County Technology Center











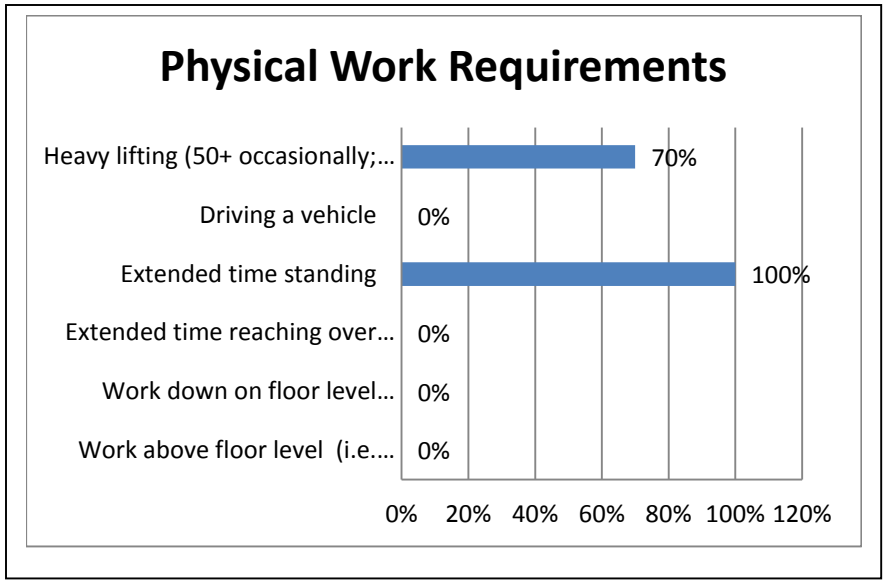
Print 12.0508

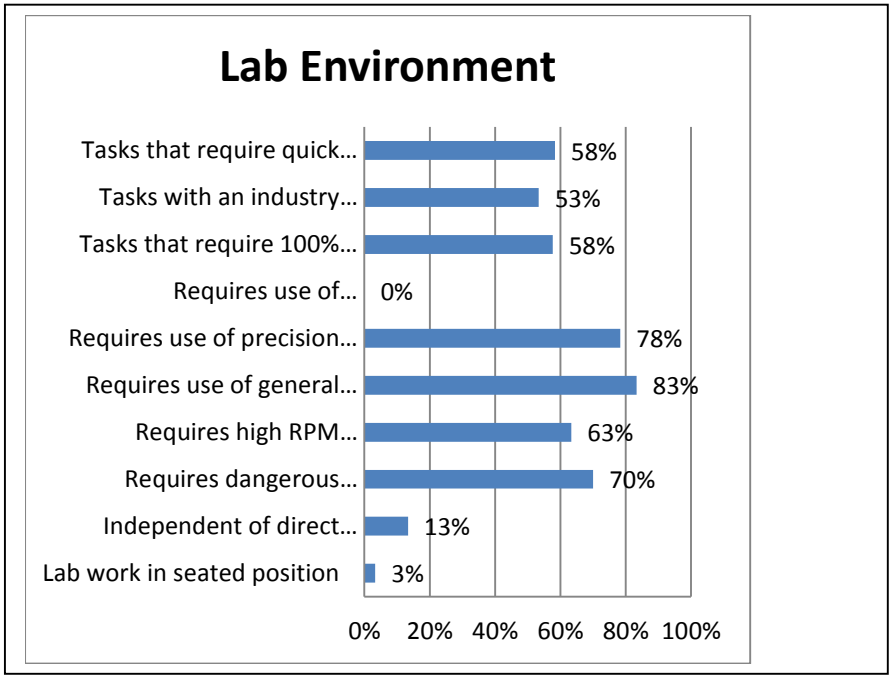
Program Index

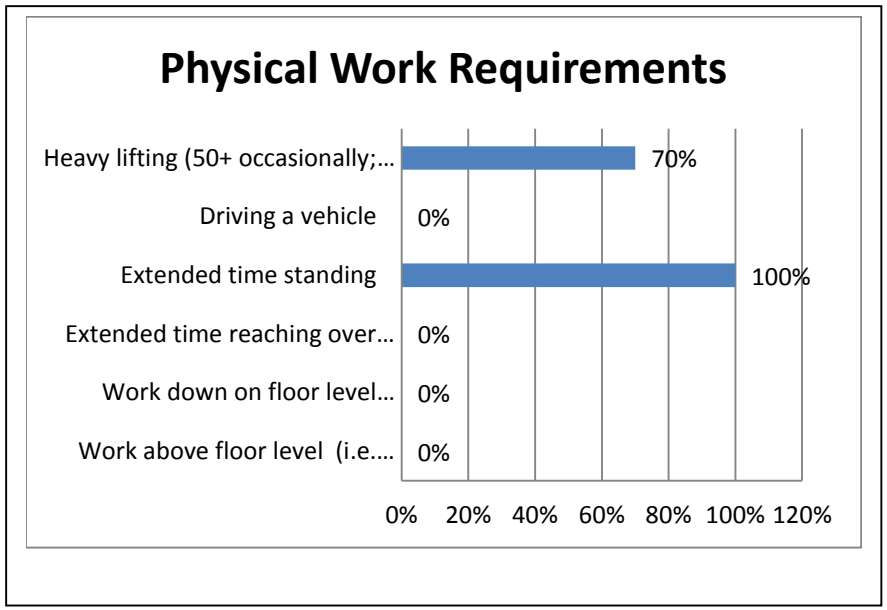
SR2CTC Checklist

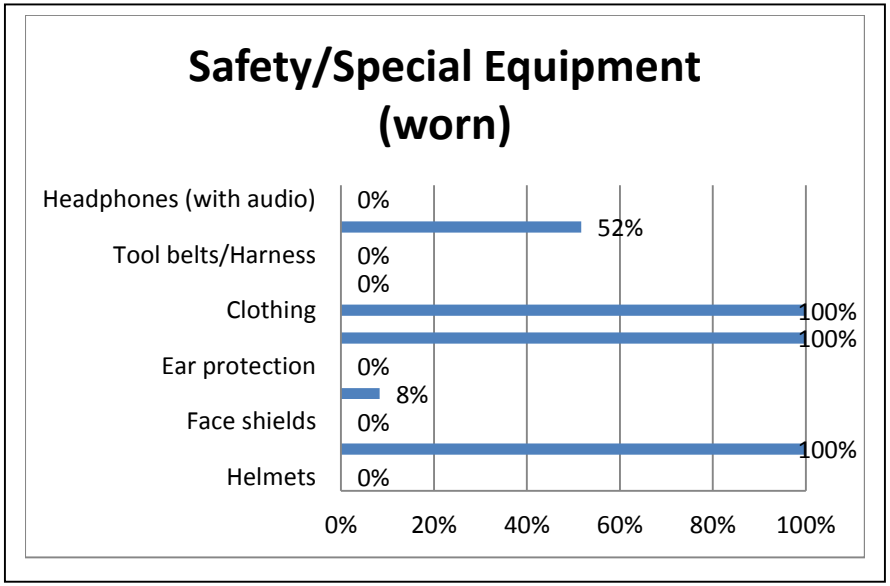
12.0508 Institutional Food Workers – POS

© 2014 Indiana County Technology Center

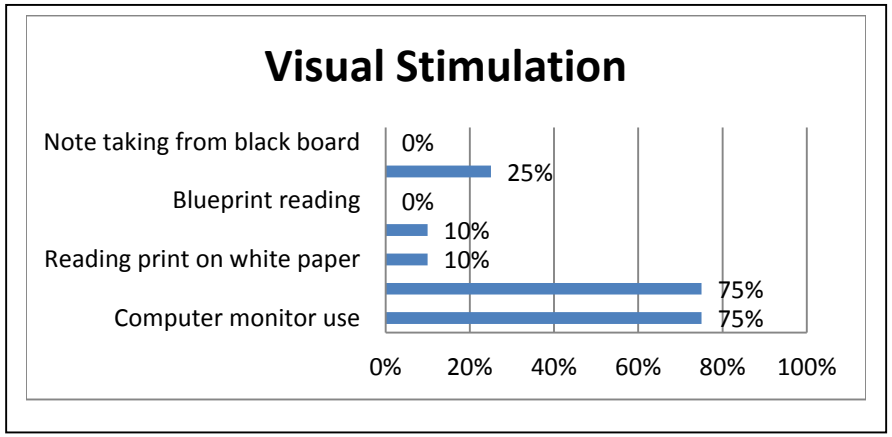


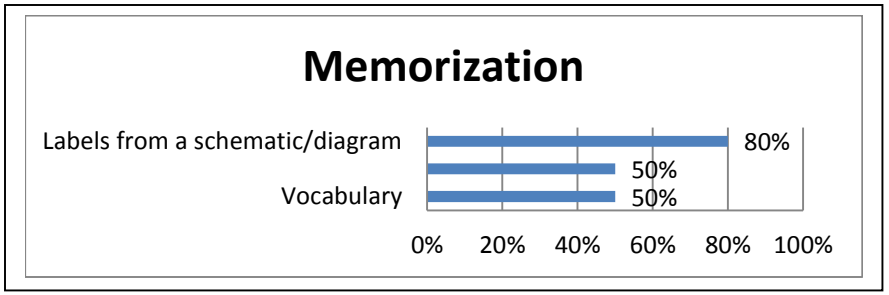


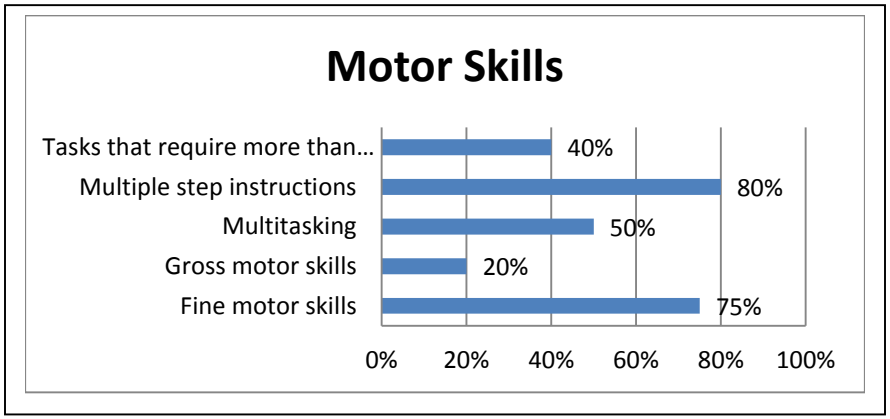


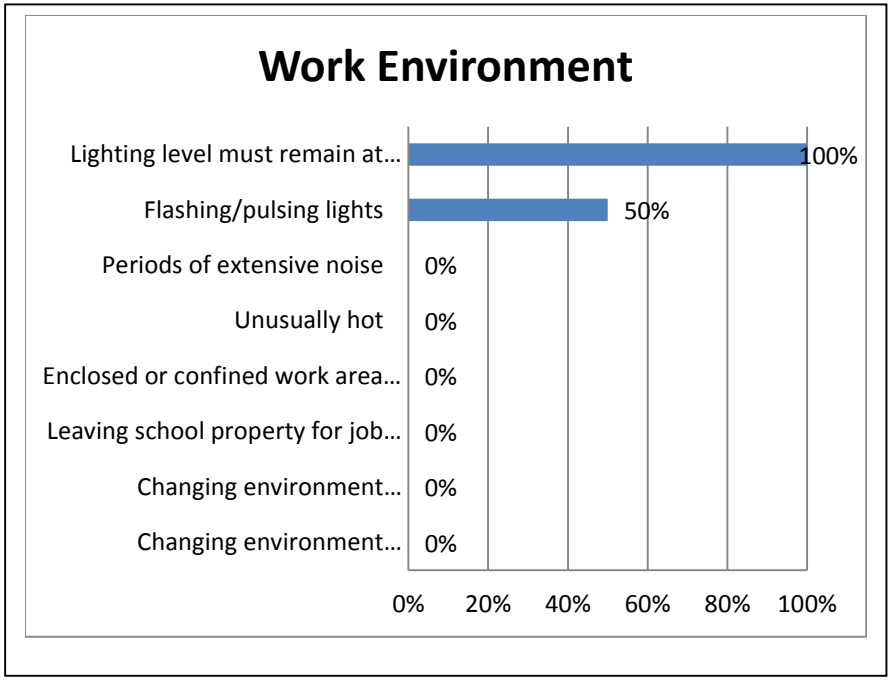


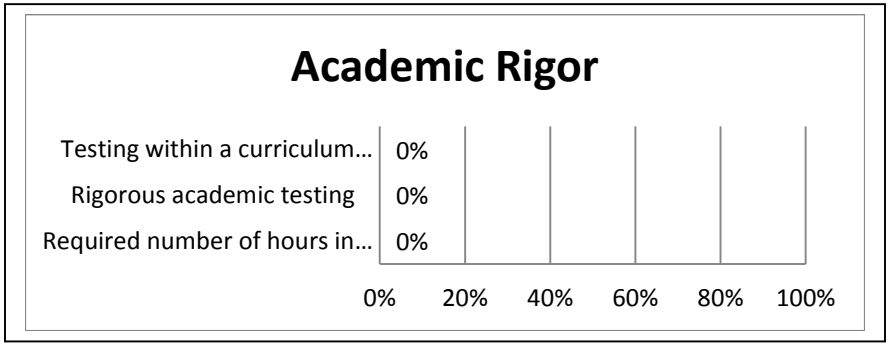
© 2014 Indiana County Technology Center







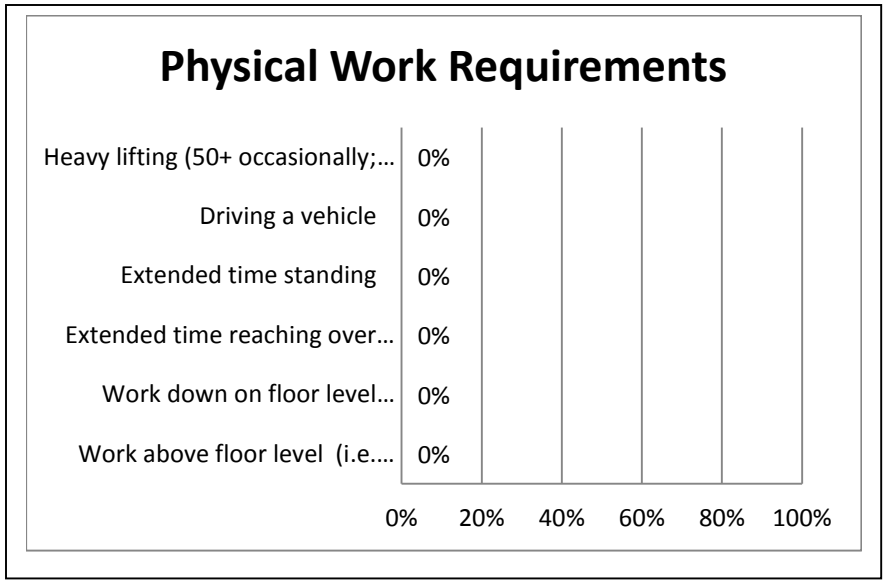


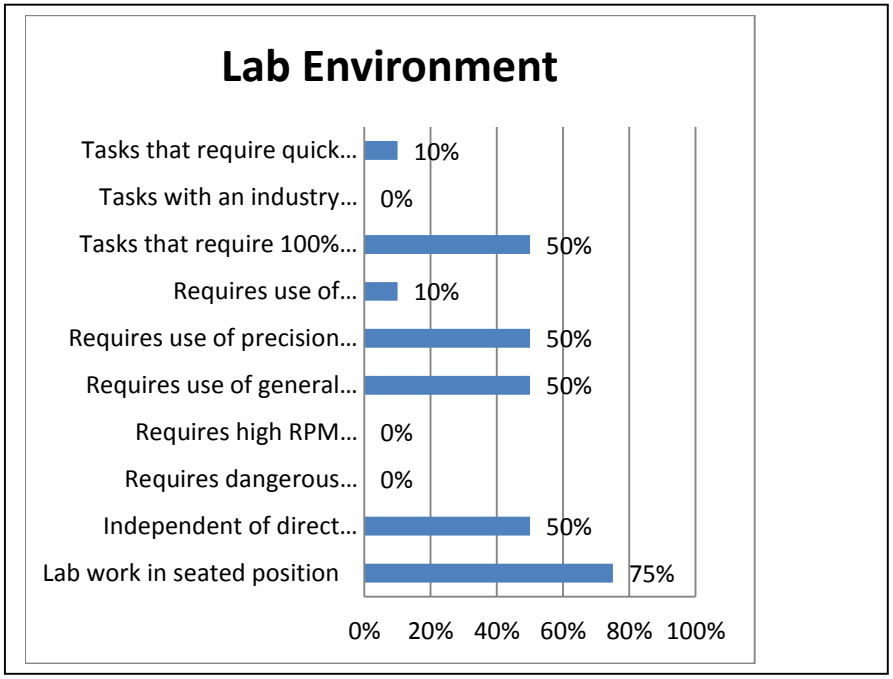


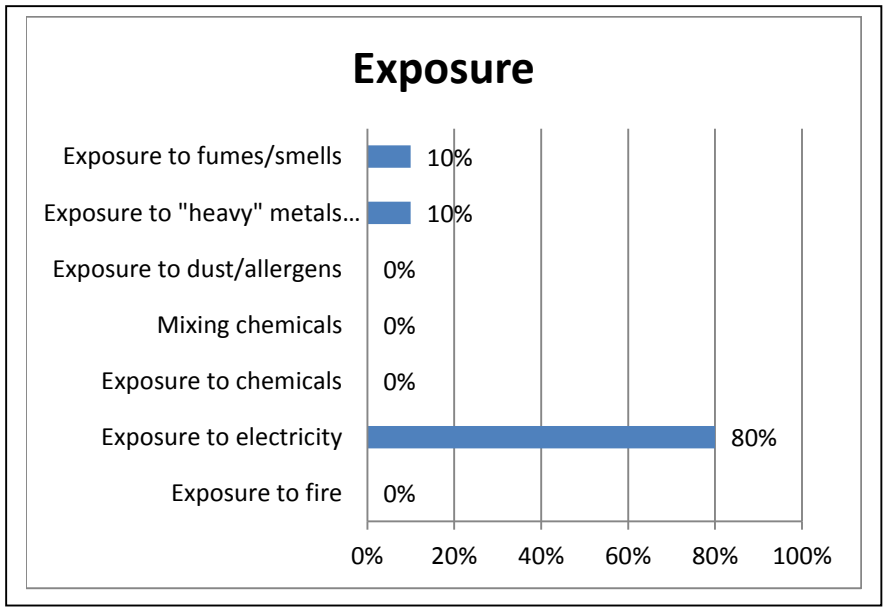
Print 15.0303
Program Index
SR2CTC Checklist

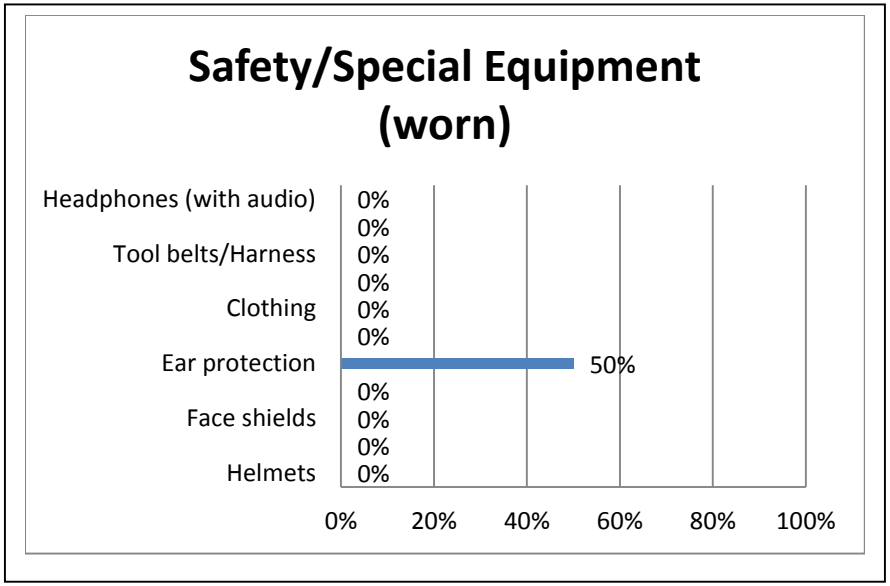
15.0303 Electrical Electronic and Communications – POS

© 2014 Indiana County Technology Center

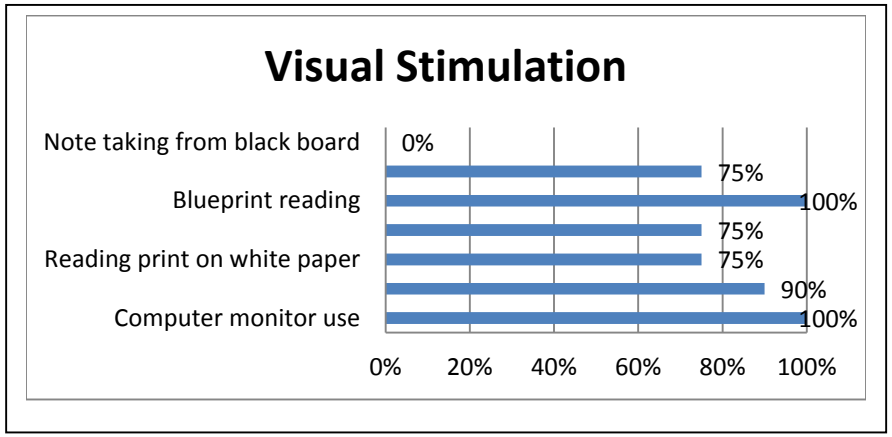


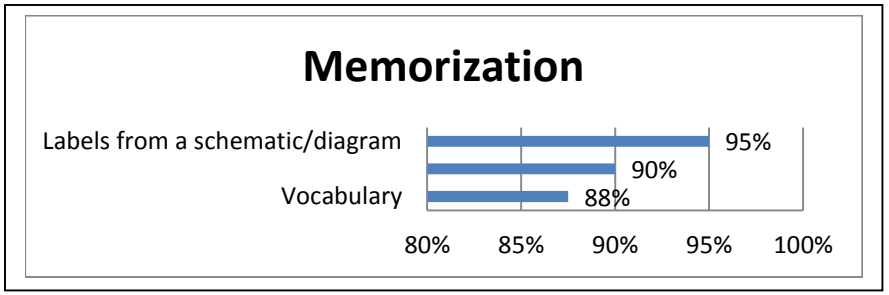


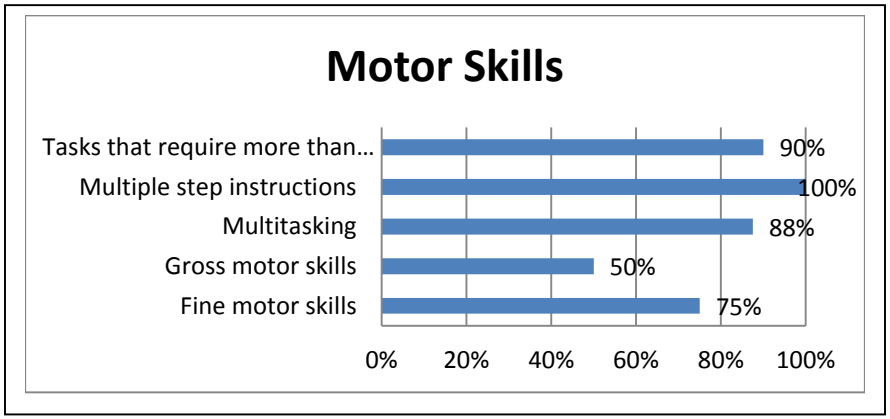


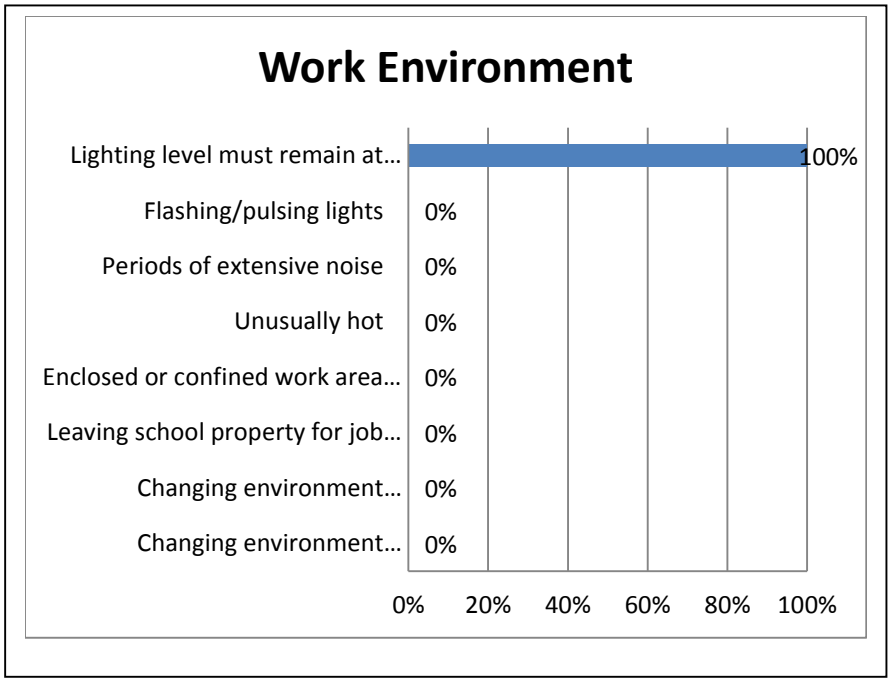


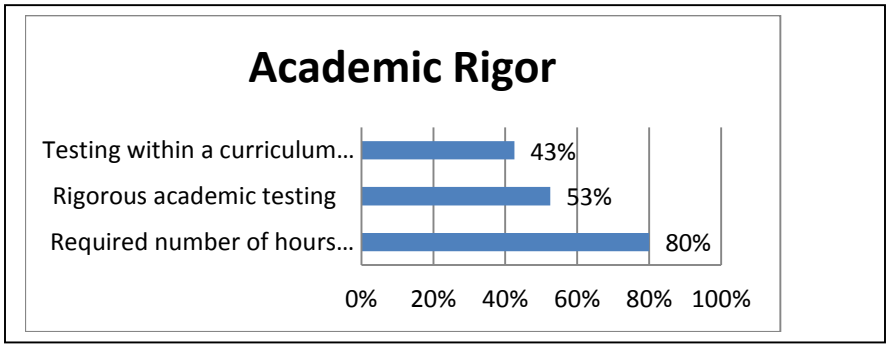
© 2014 Indiana County Technology Center







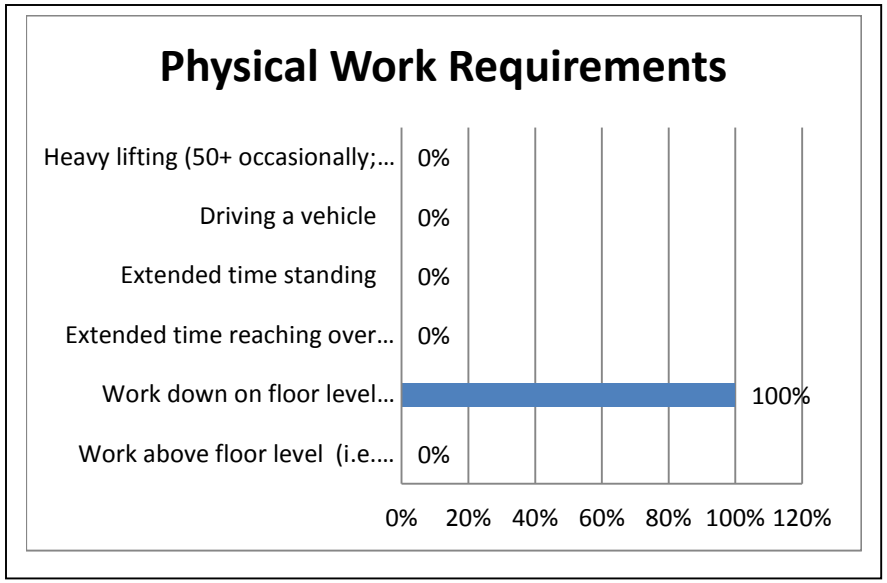


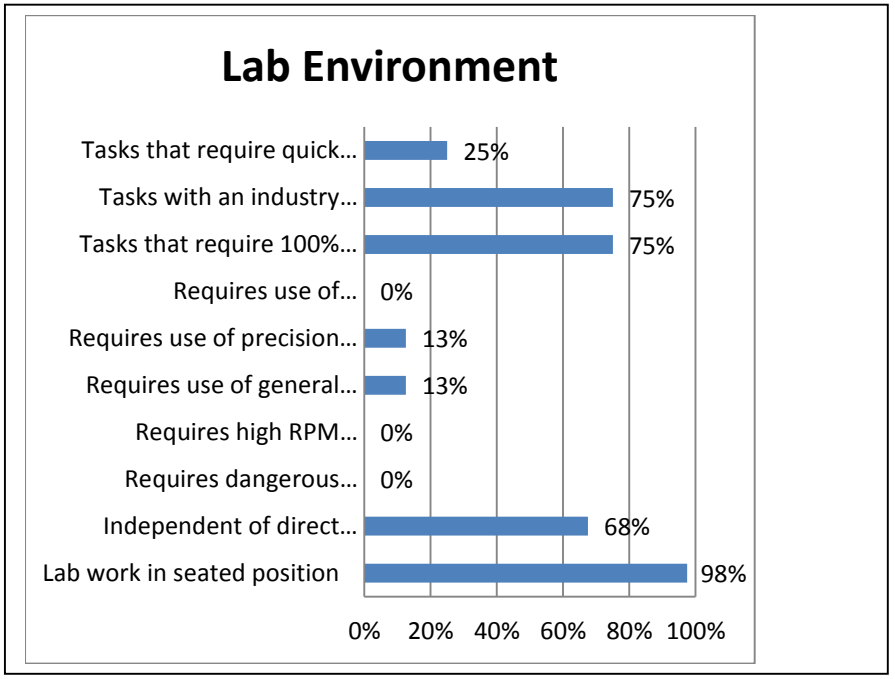


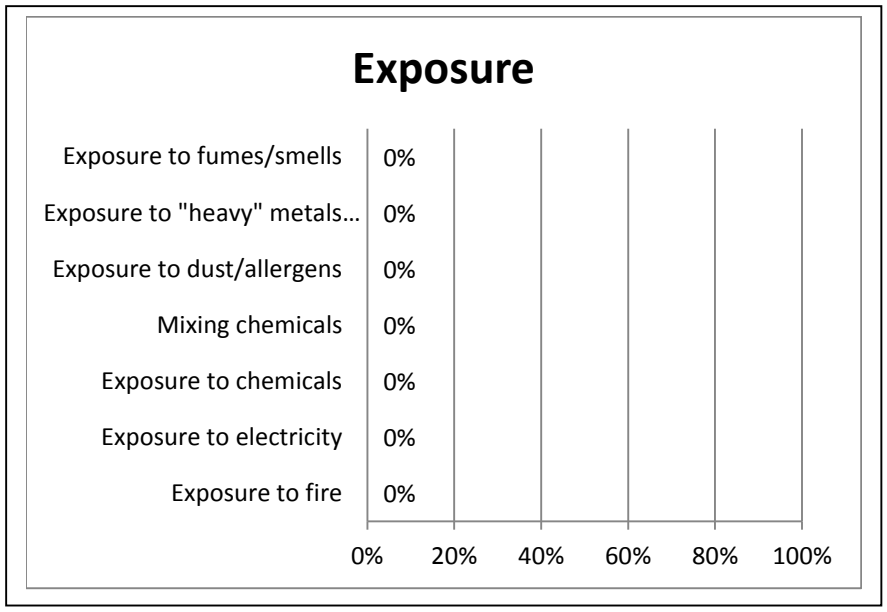
Print 15.1301
Program Index
SR2CTC Checklist

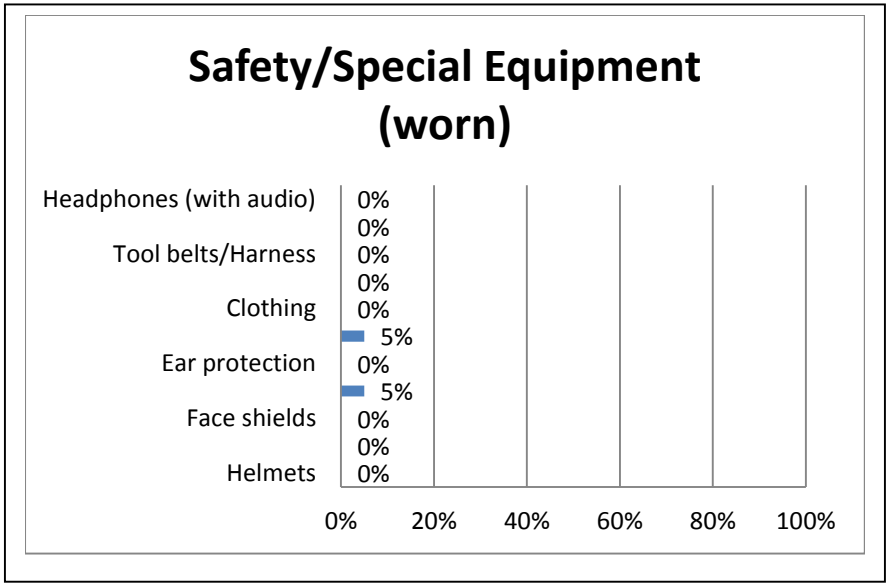
15.1301 Drafting and Design Technology – POS

© 2014 Indiana County Technology Center

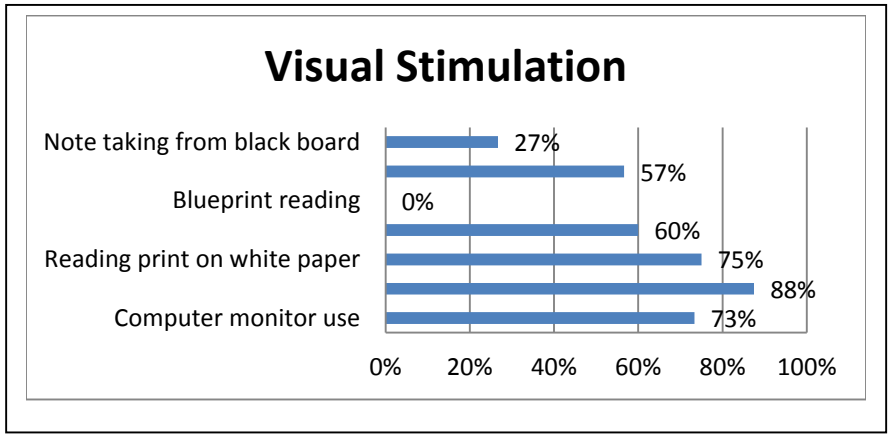


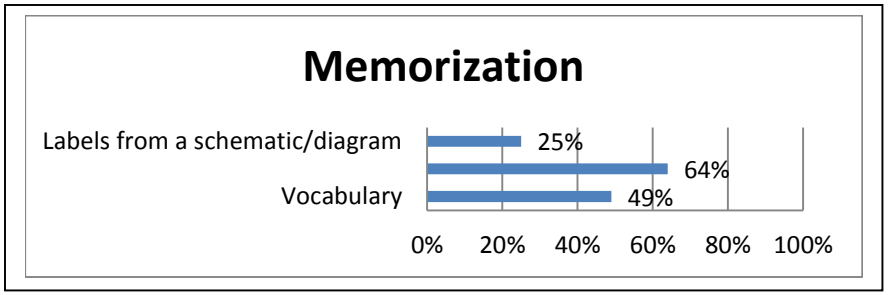


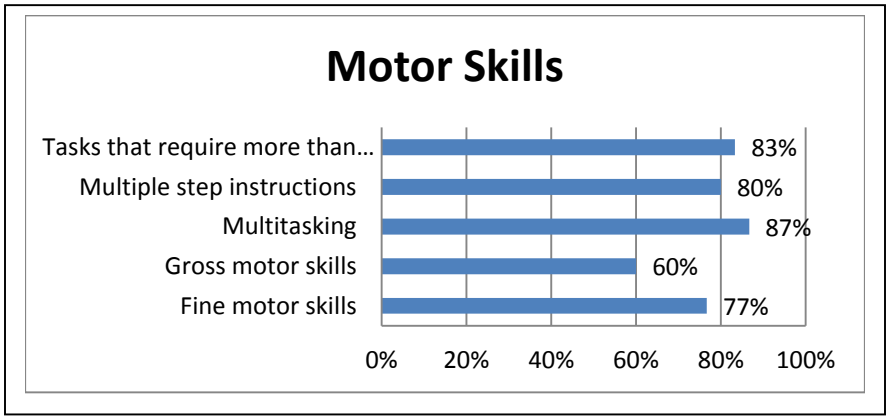


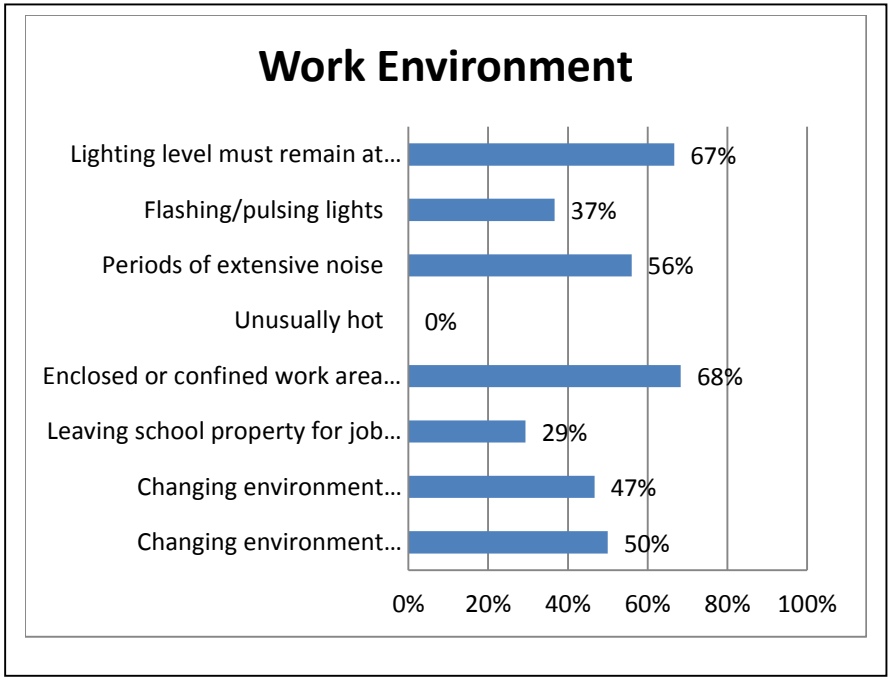


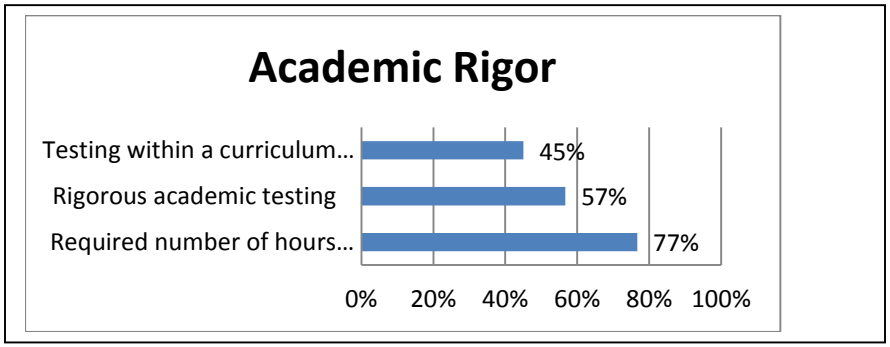
© 2014 Indiana County Technology Center







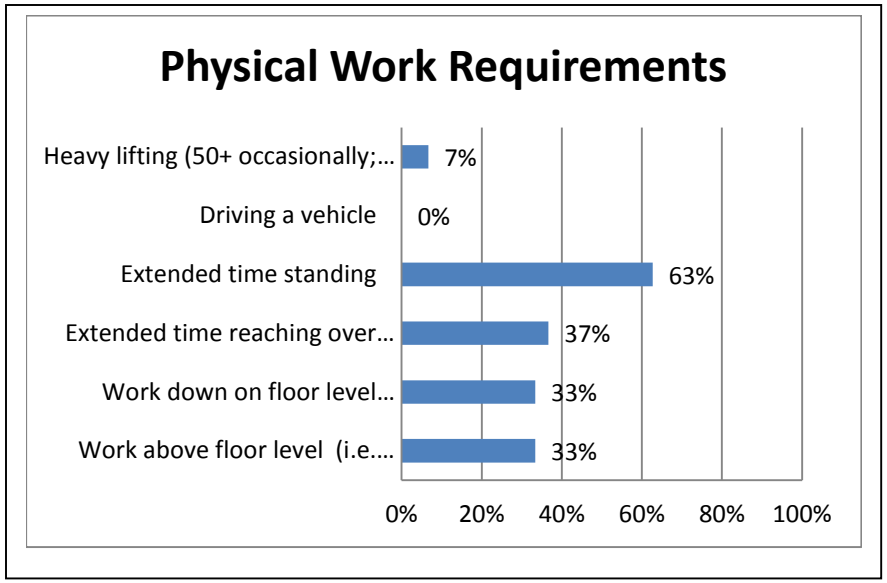


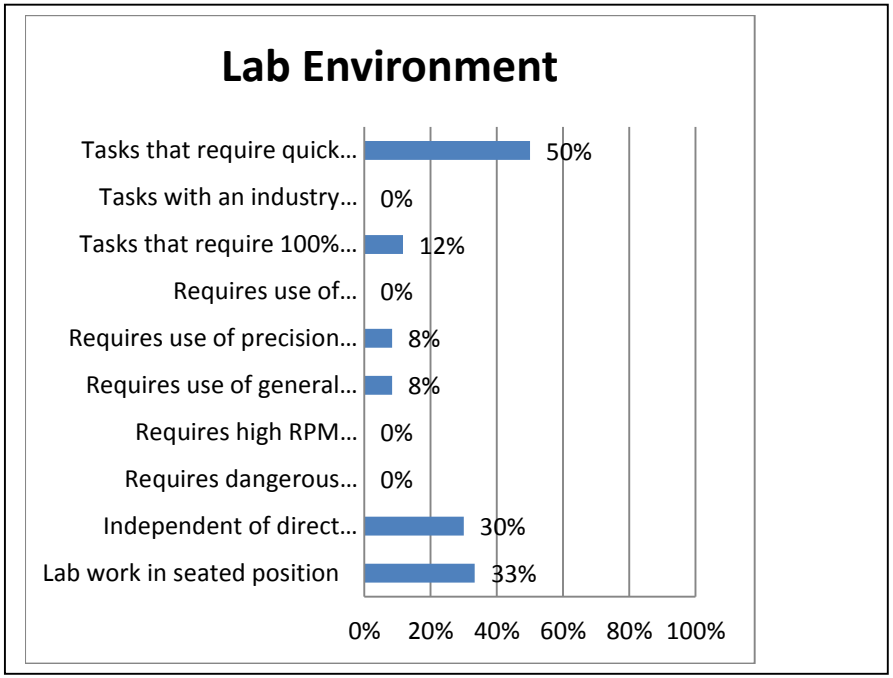


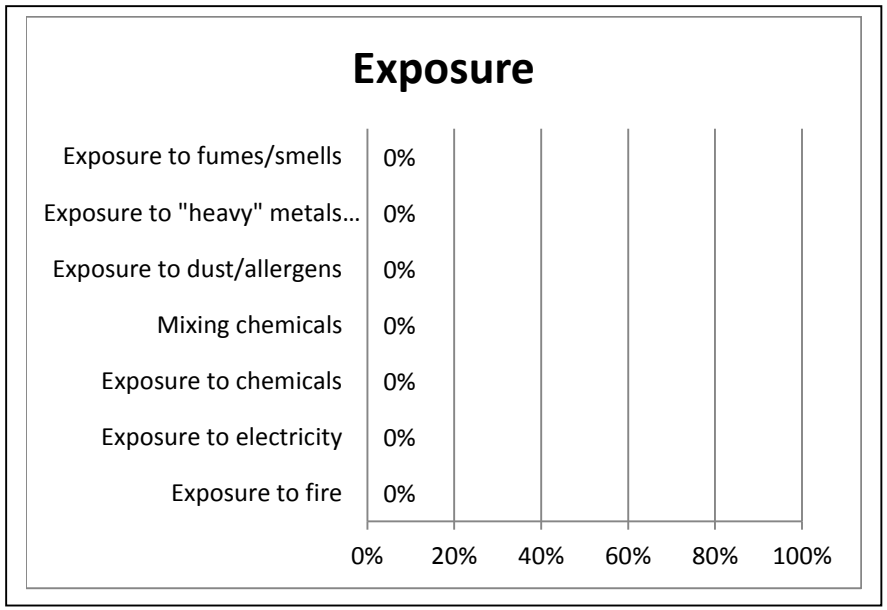
Print 19.0708
Program Index
SR2CTC Checklist

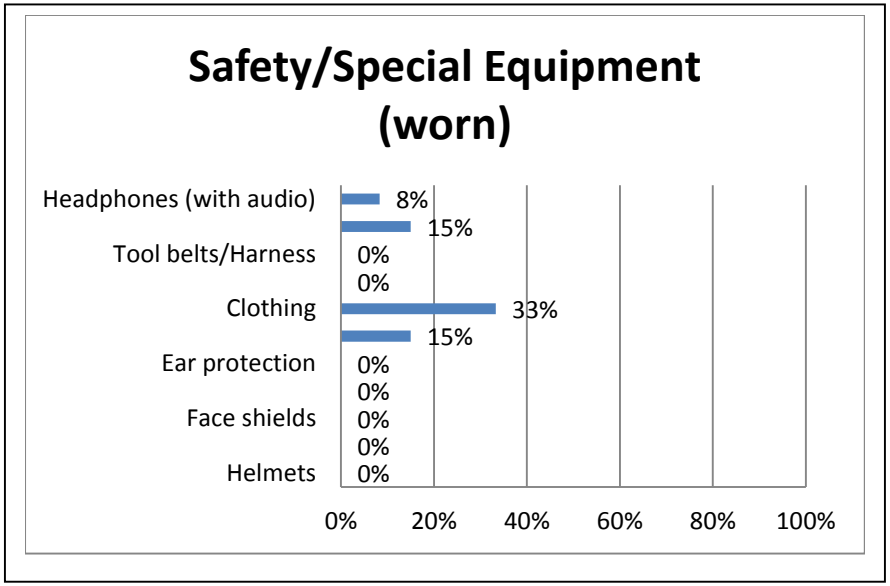
19.0708 Child Care And Support – POS

© 2014 Indiana County Technology Center

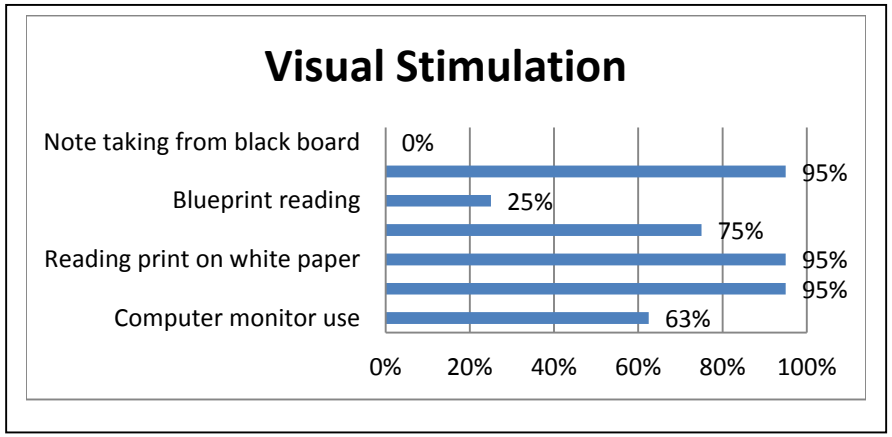


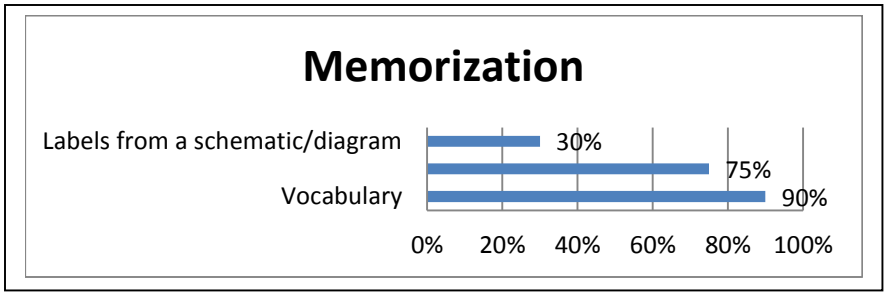


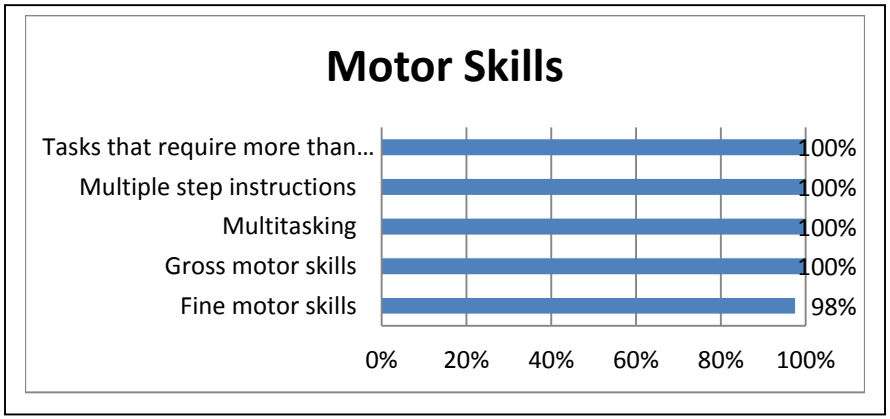


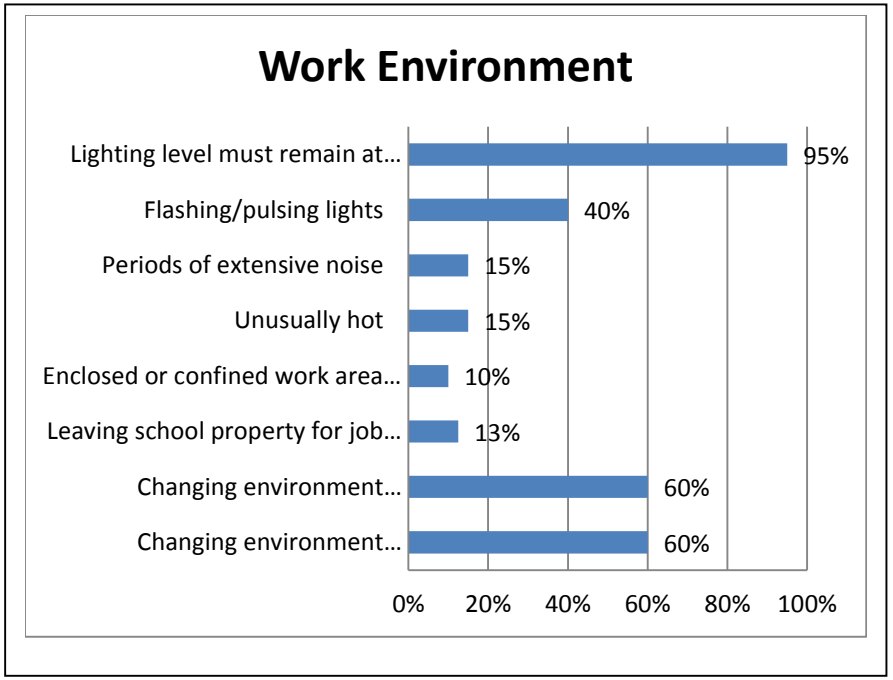


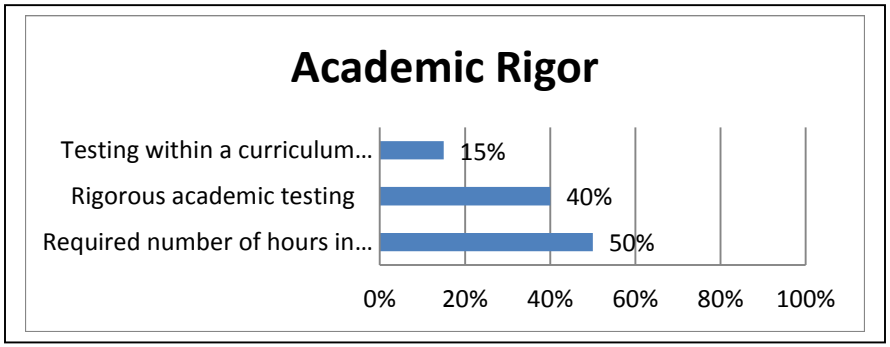
© 2014 Indiana County Technology Center







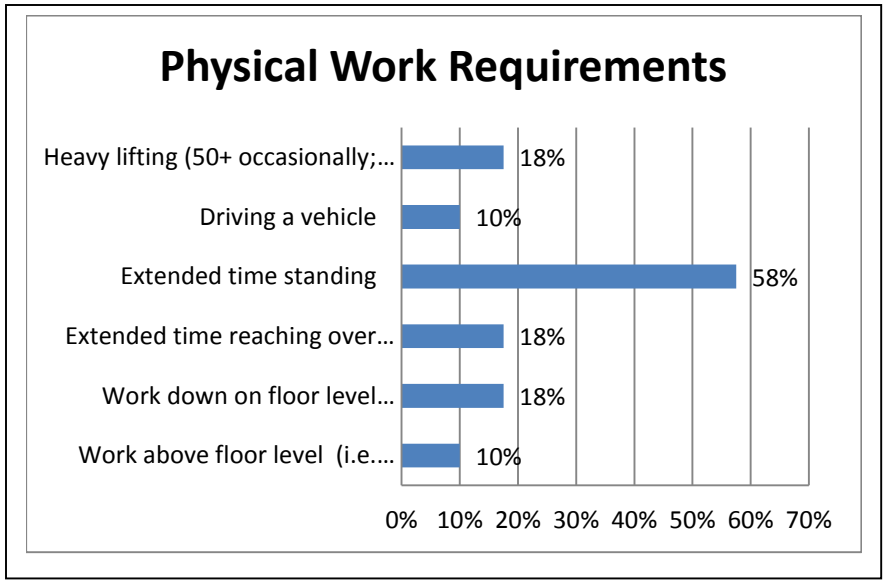


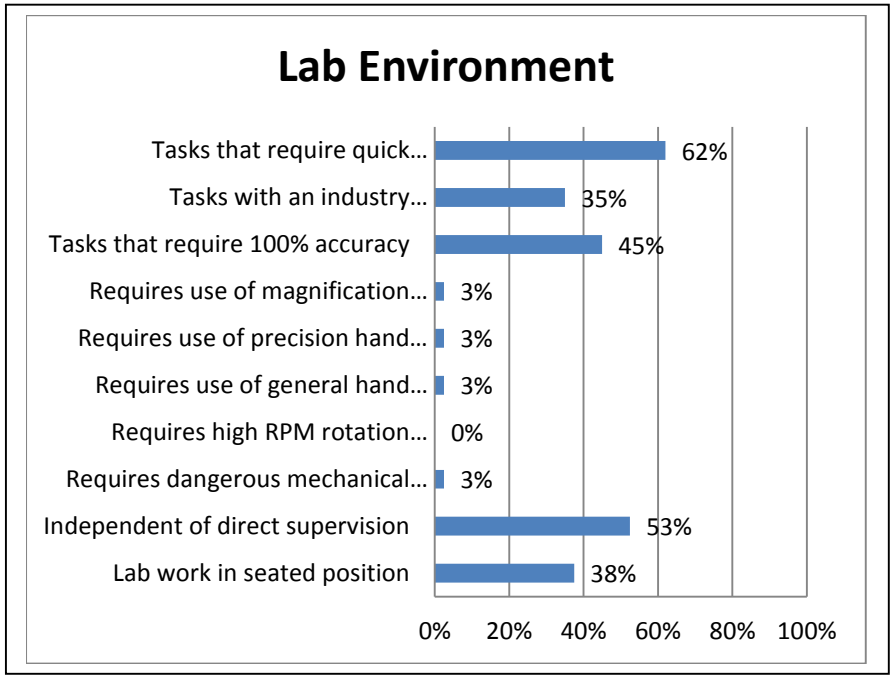


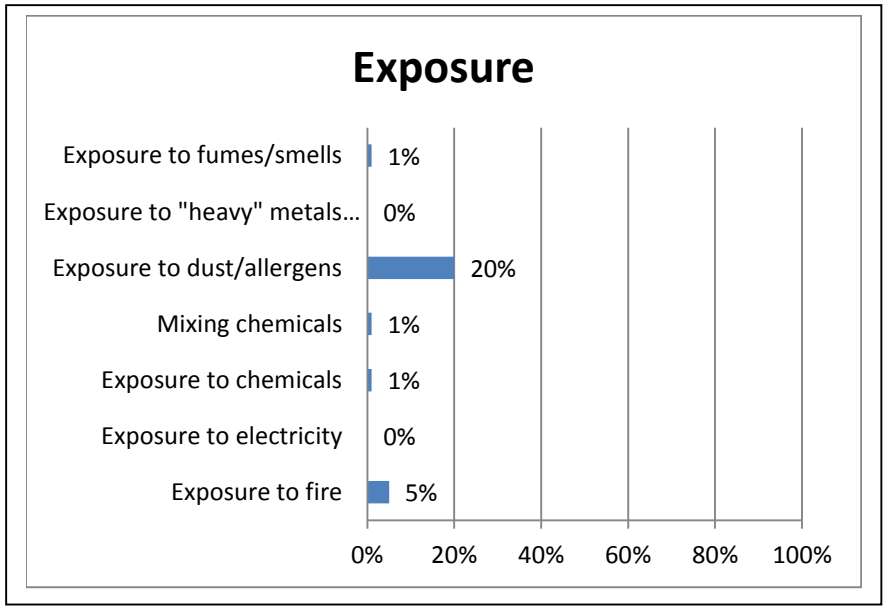
Print 43.0107
Program Index
SR2CTC Checklist

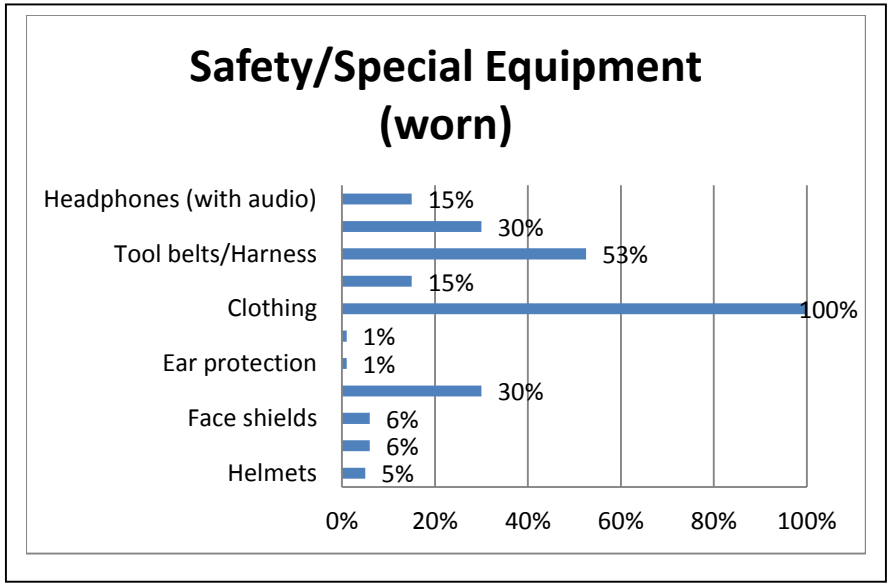
43.0107 Criminal Justice Police Science – POS

© 2014 Indiana County Technology Center

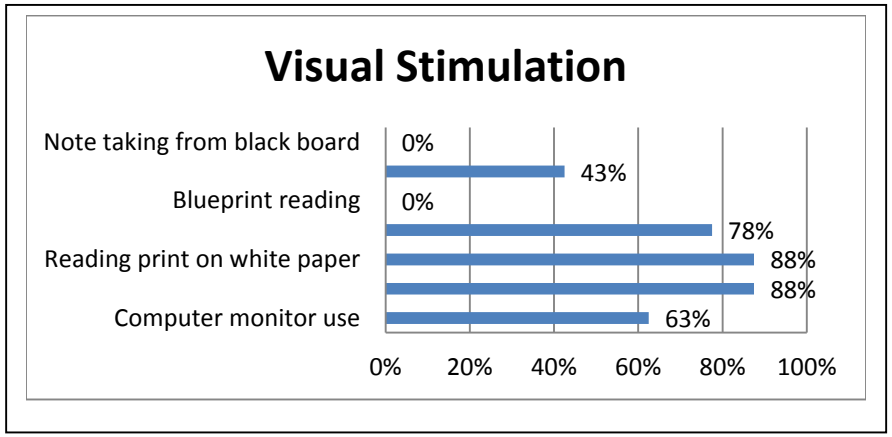


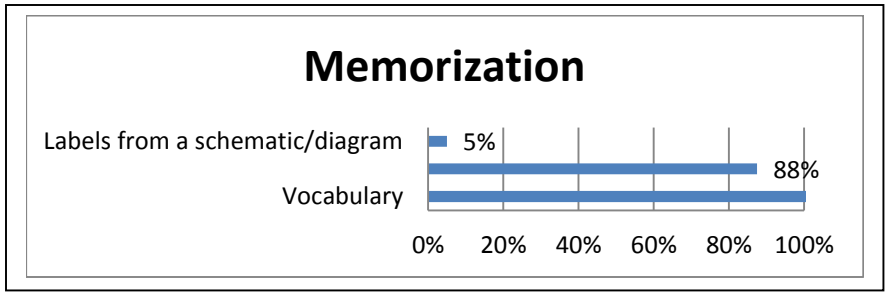


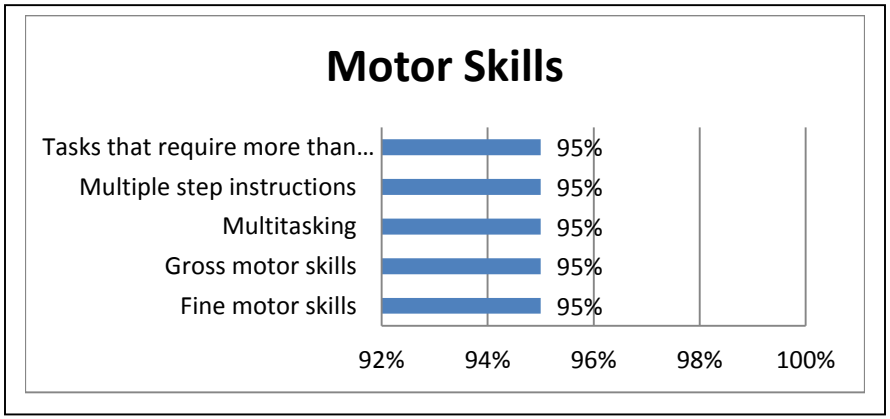


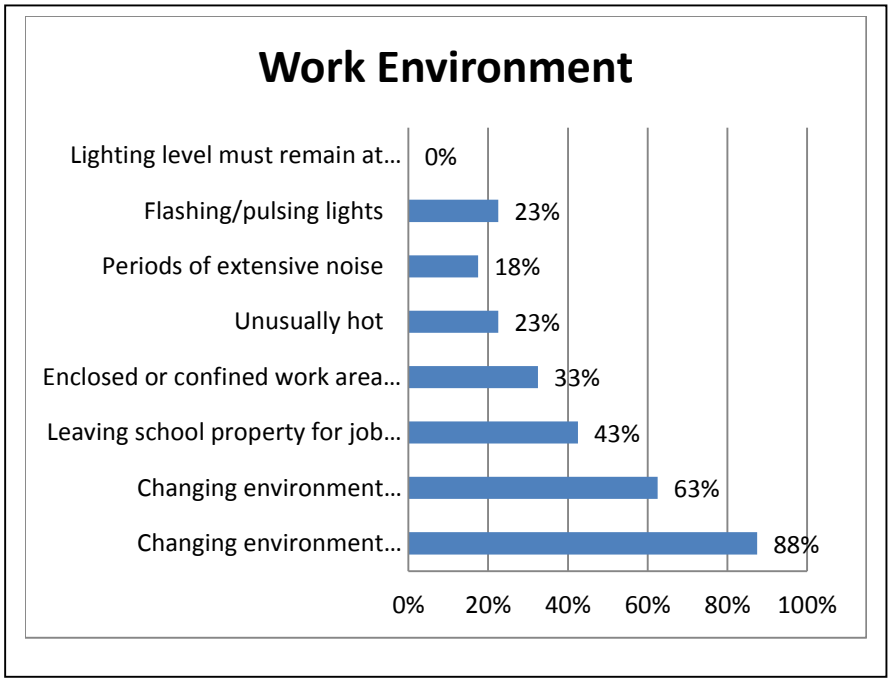


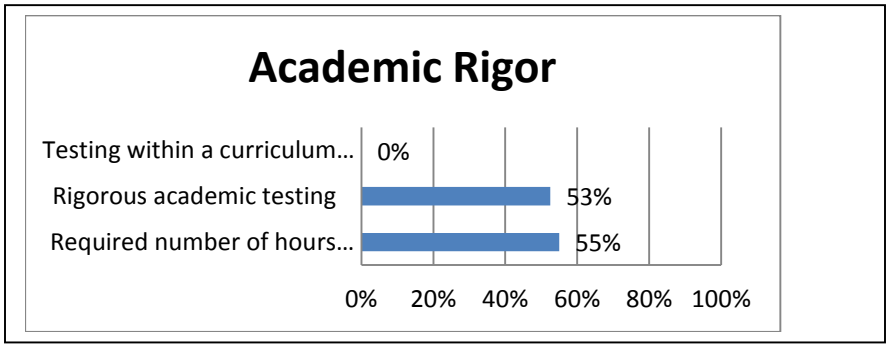
© 2014 Indiana County Technology Center







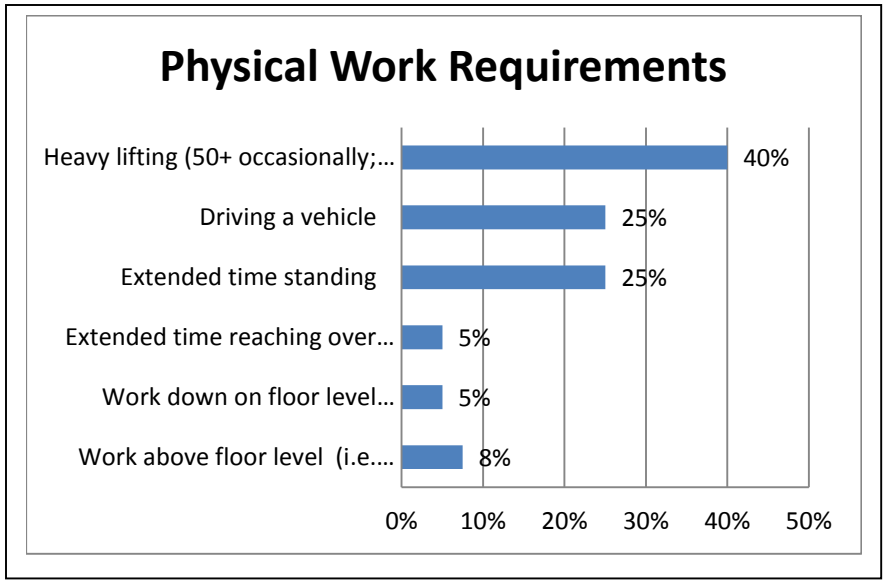


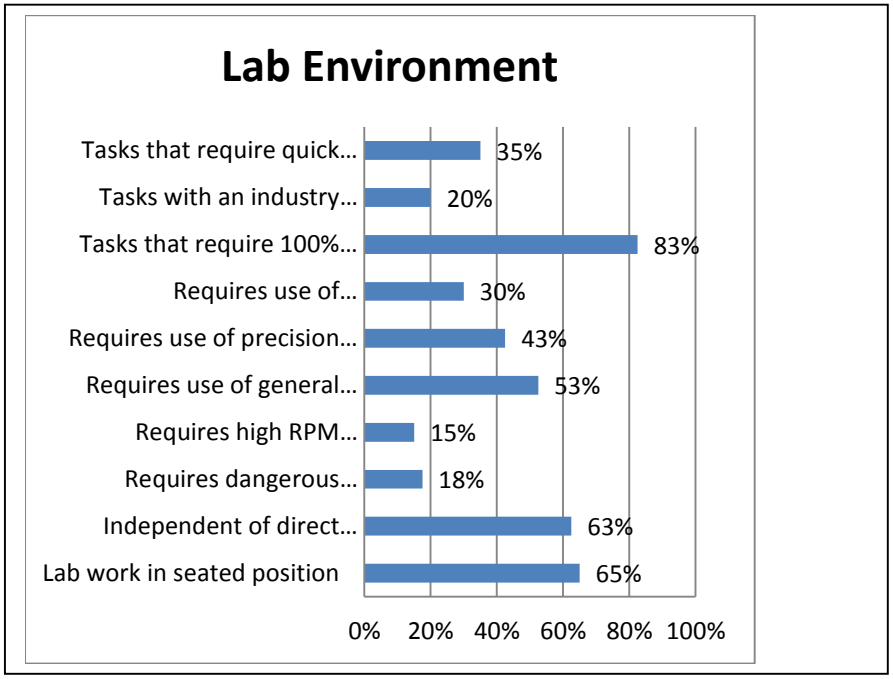


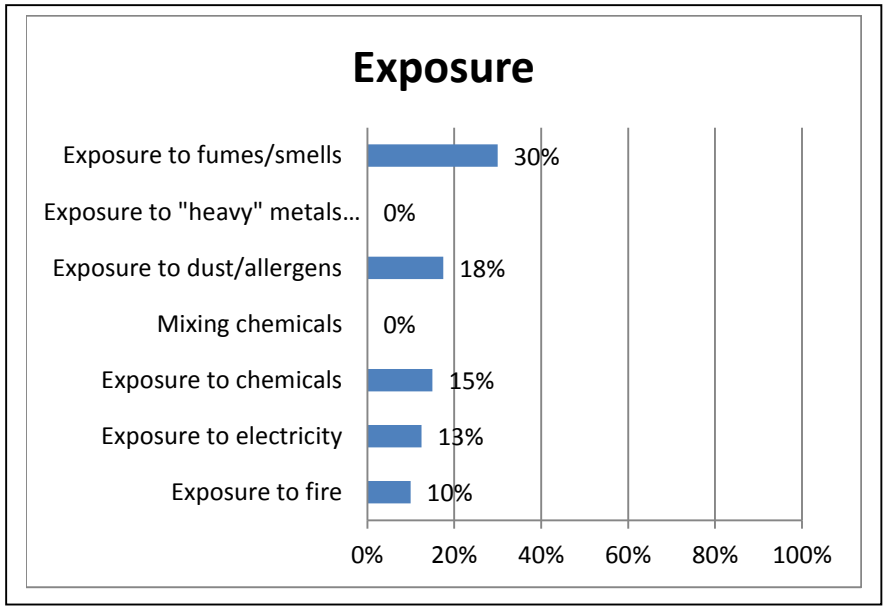
Print 43.9999
Program Index
SR2CTC Checklist

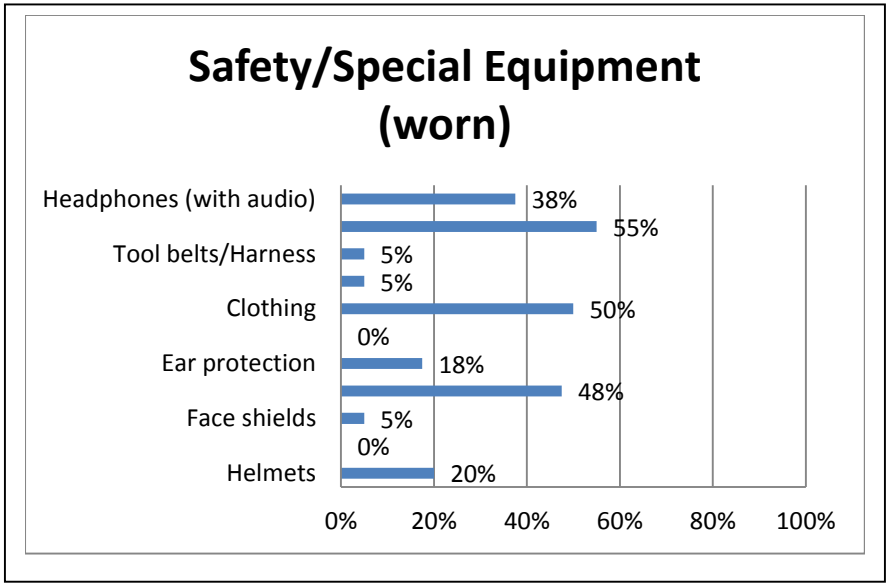
43.9999 Homeland Security – POS

© 2014 Indiana County Technology Center

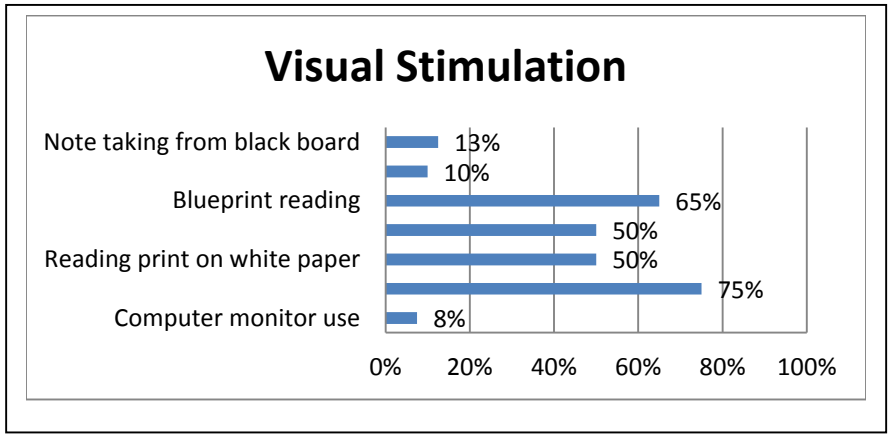


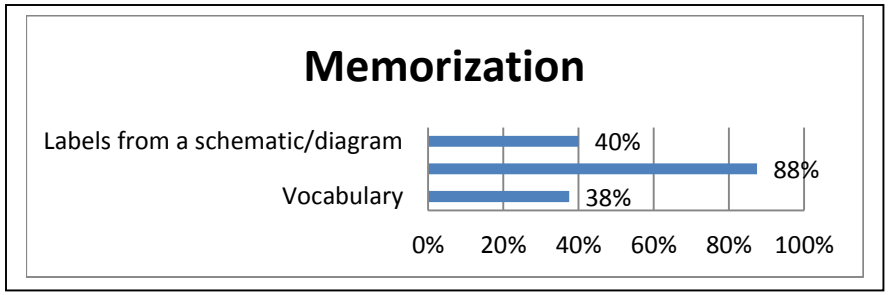


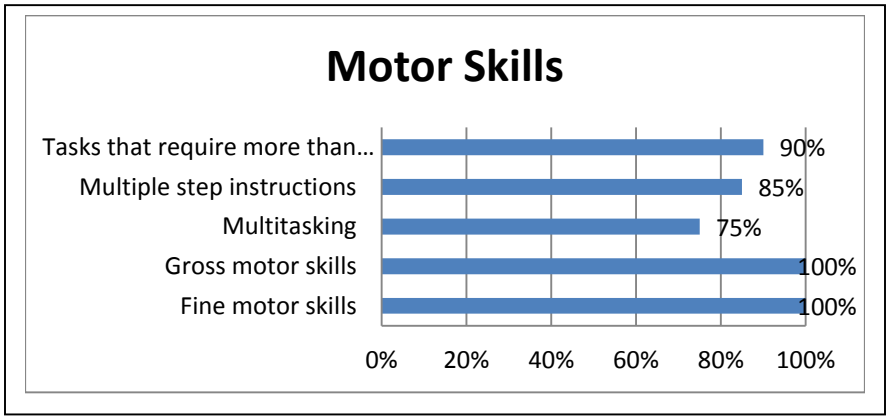


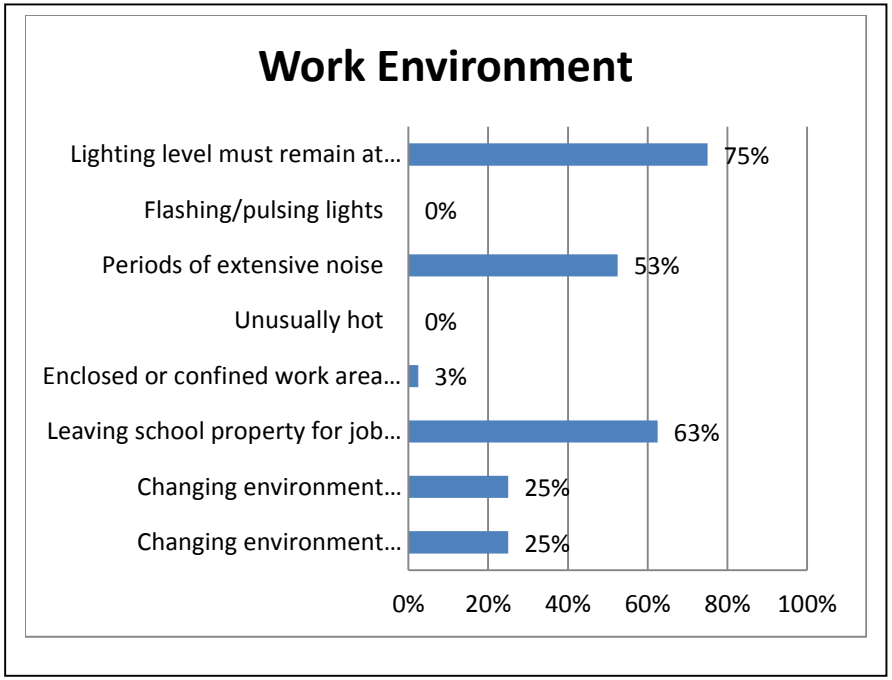


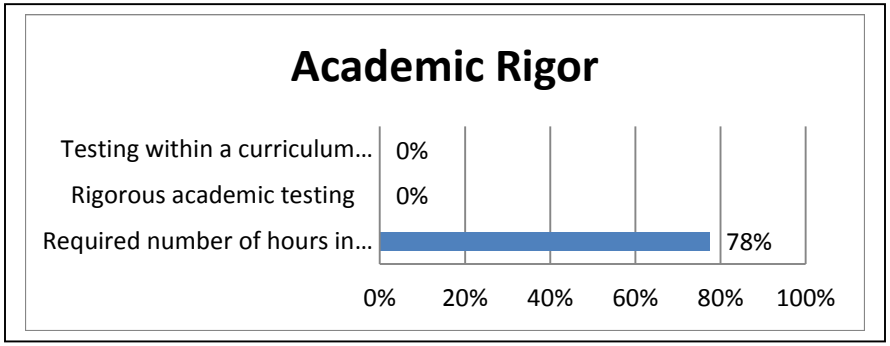
© 2014 Indiana County Technology Center







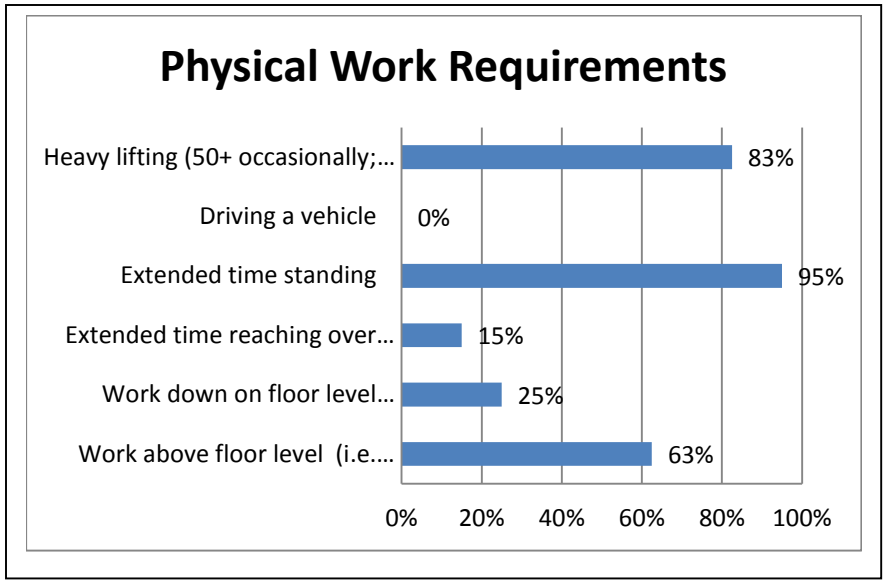


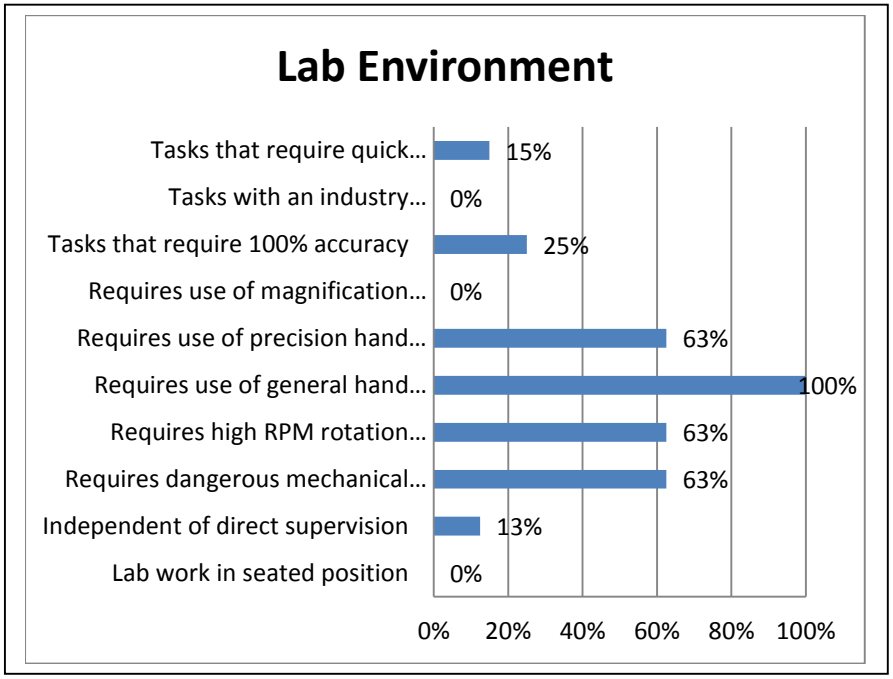


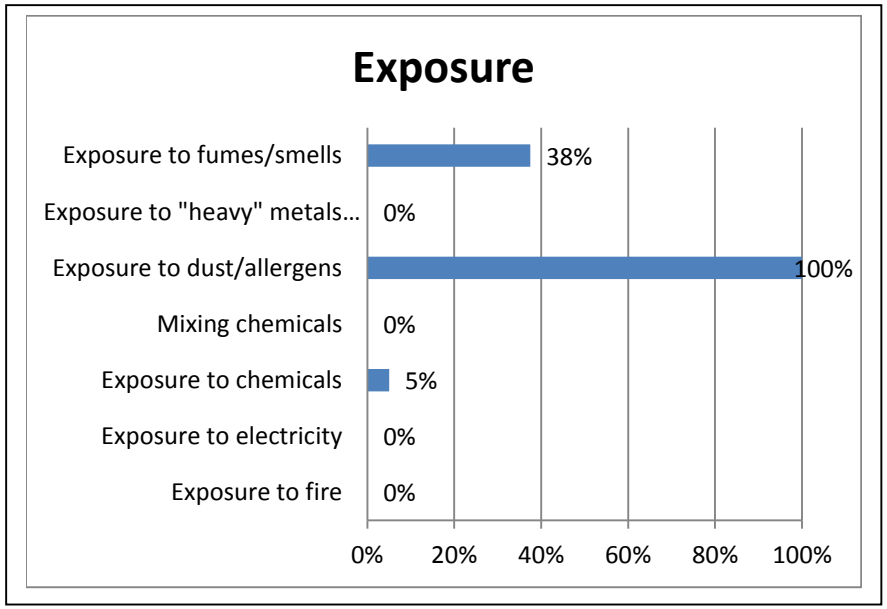
Print 46.0101
Program Index
SR2CTC Checklist

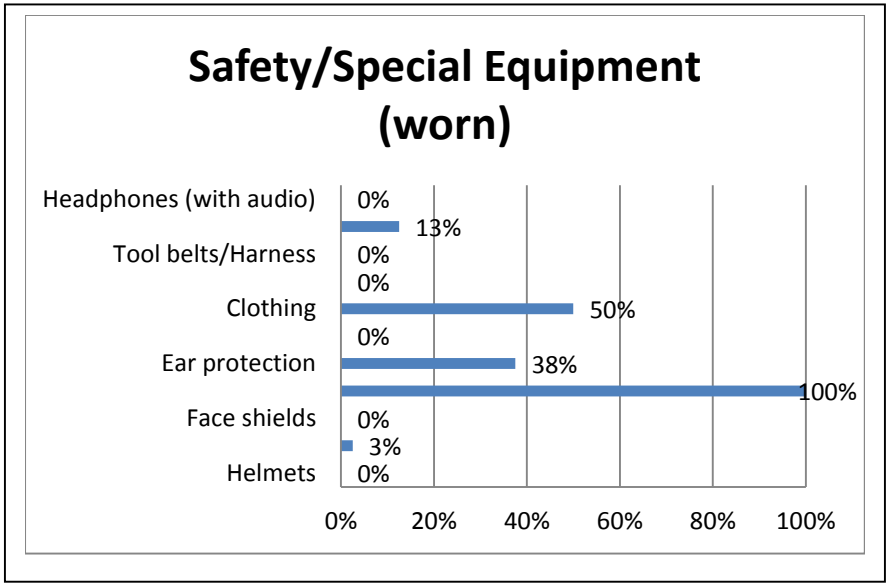
46.0101 Mason/Masonry - POS

© 2014 Indiana County Technology Center

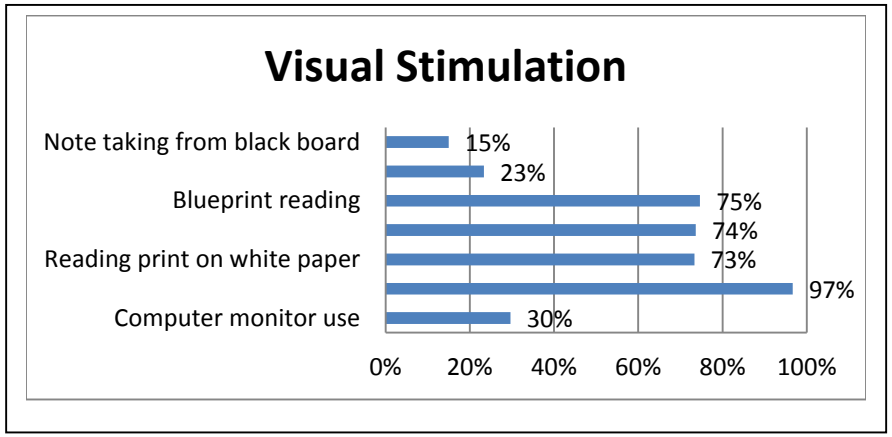


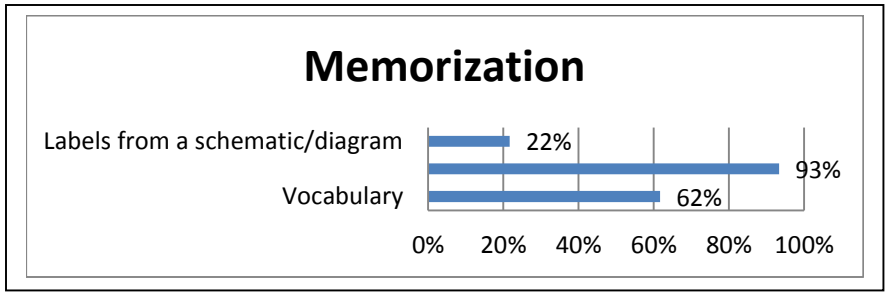


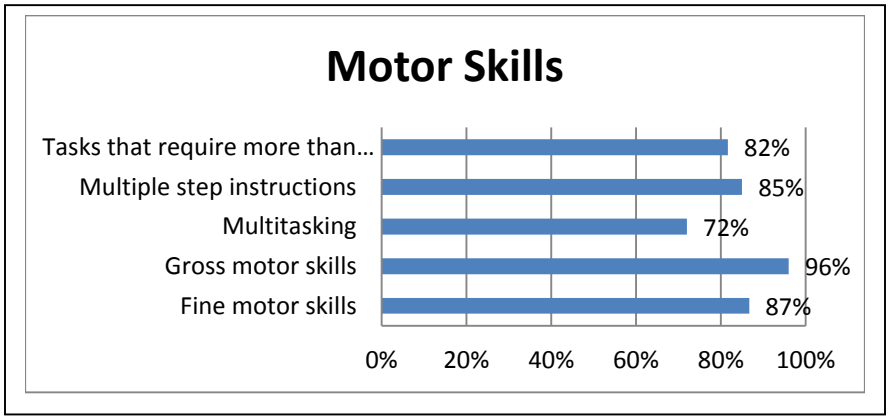


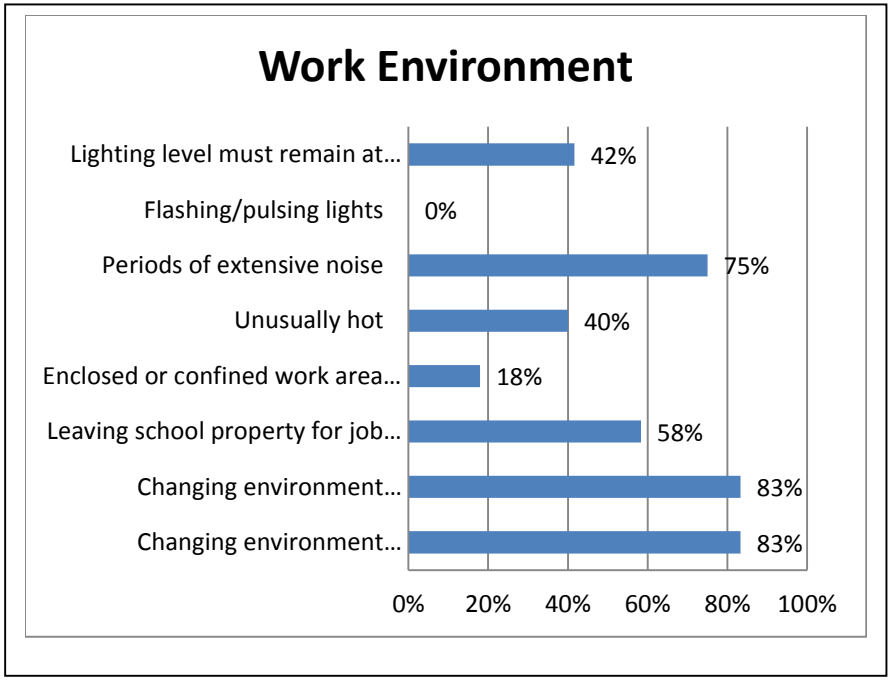


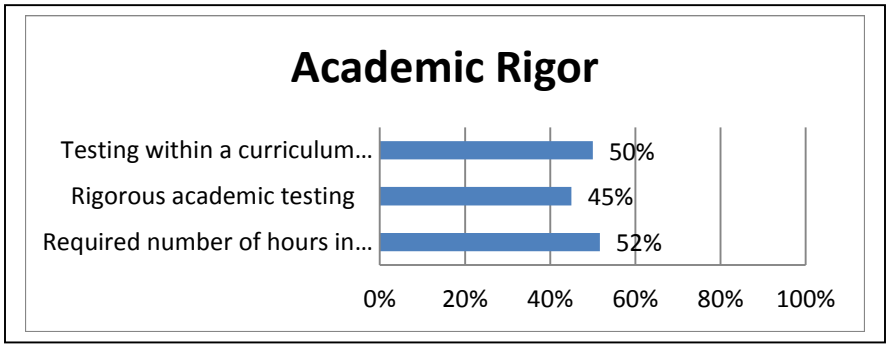
© 2014 Indiana County Technology Center







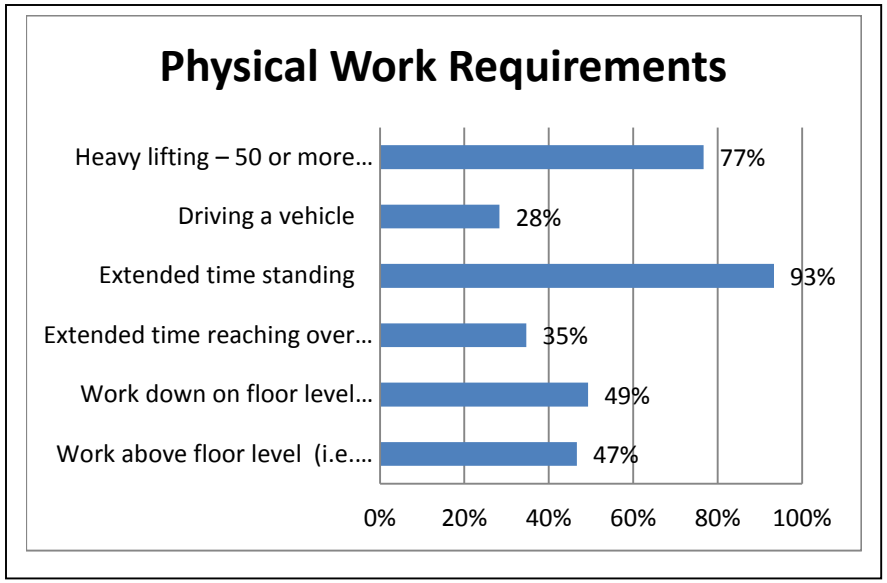


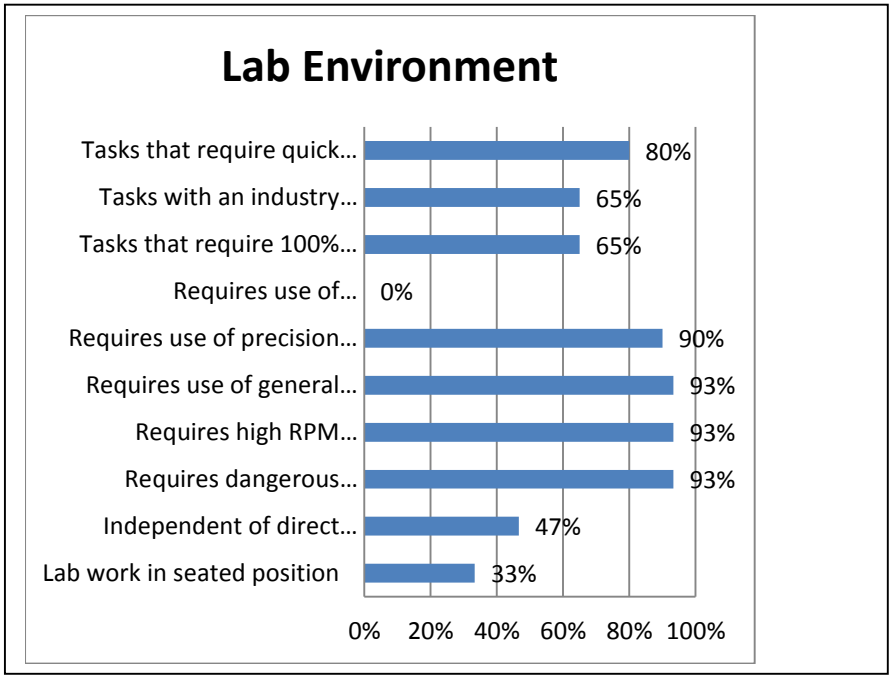


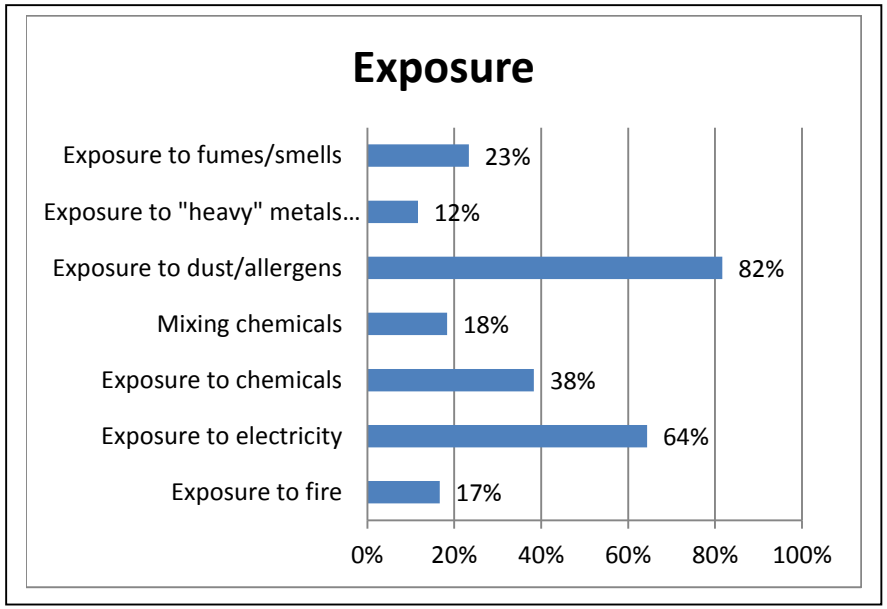
Print 46.0201
Program Index
SR2CTC Checklist

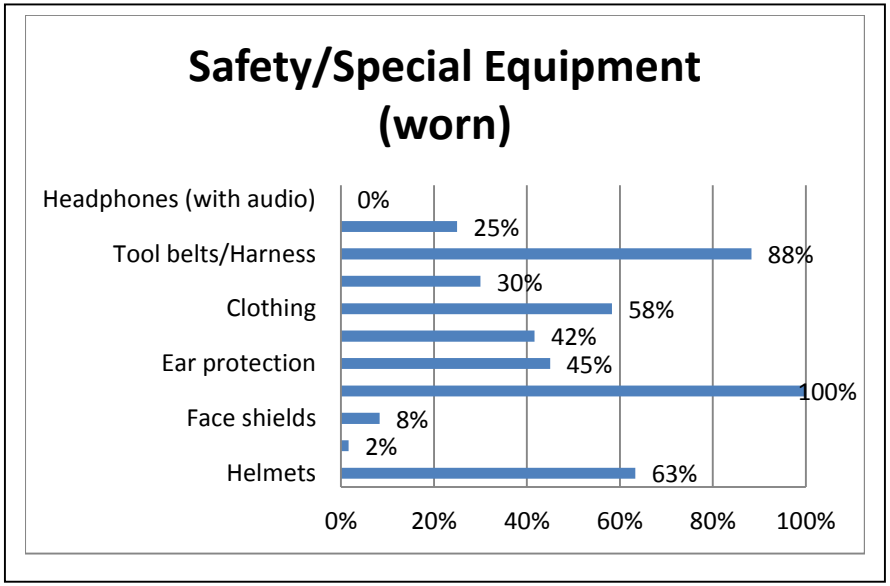
46.0201 Carpentry/Carpenter – POS

© 2014 Indiana County Technology Center

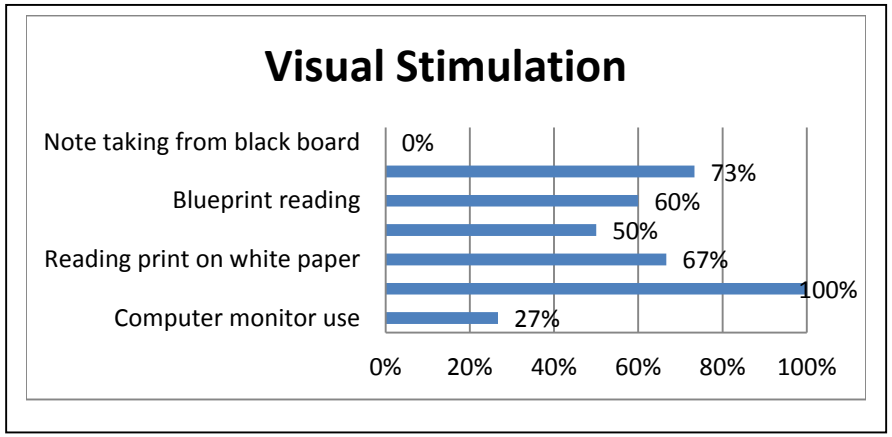


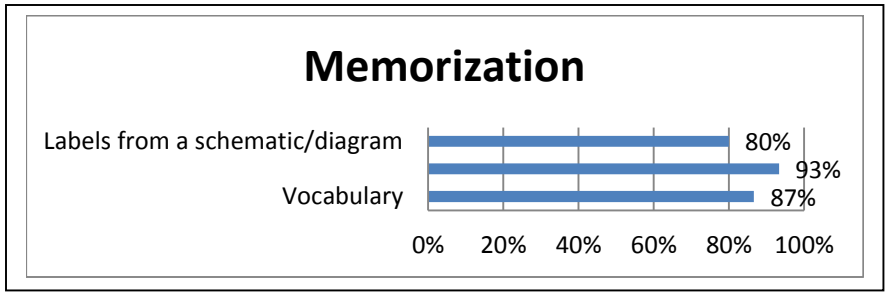


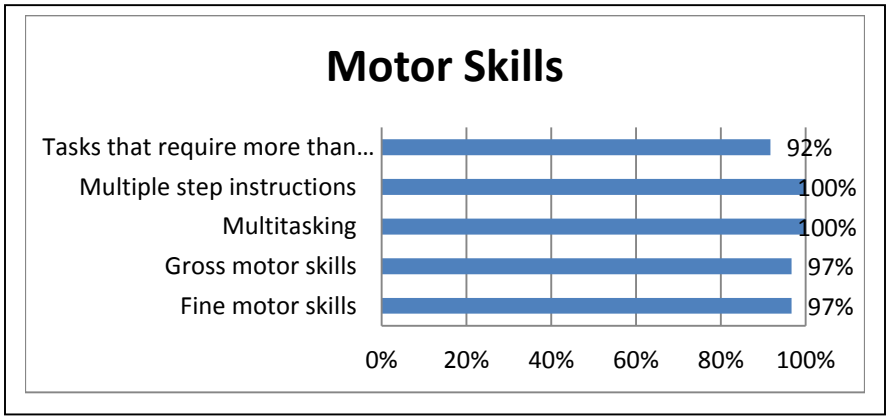


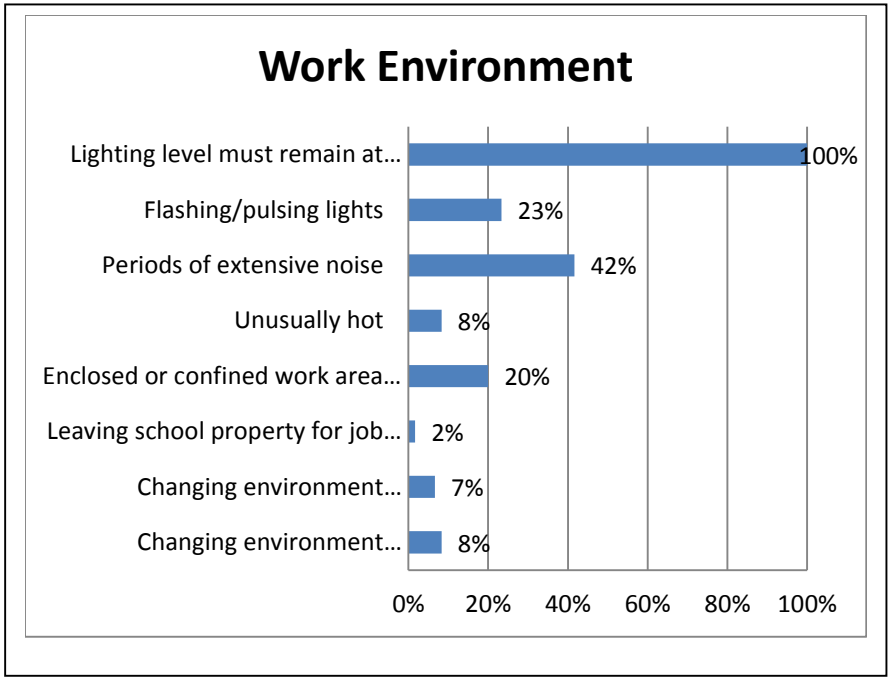


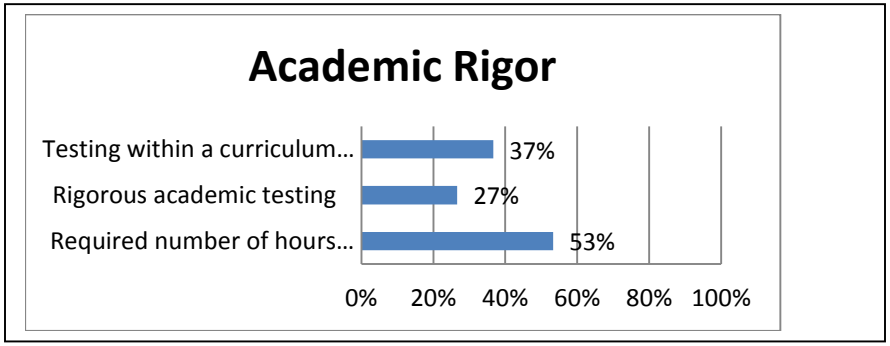
© 2014 Indiana County Technology Center







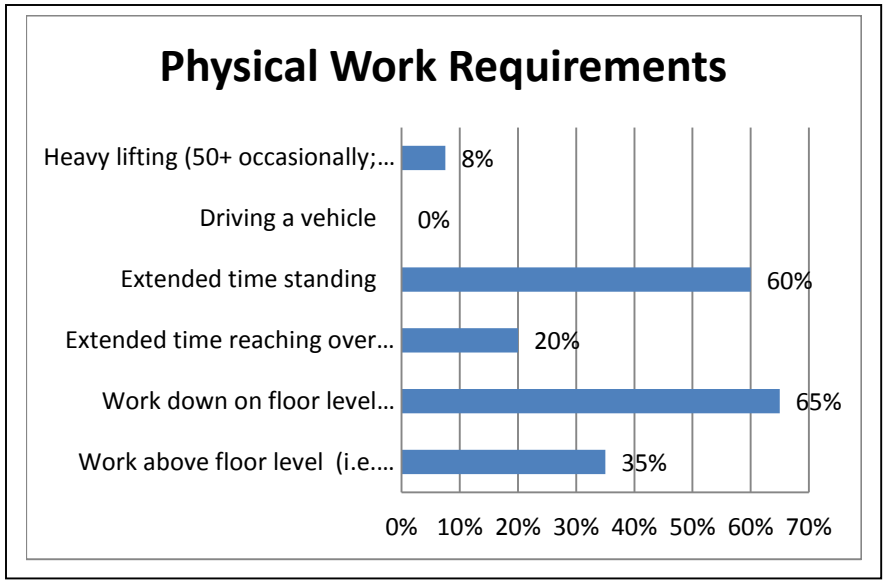


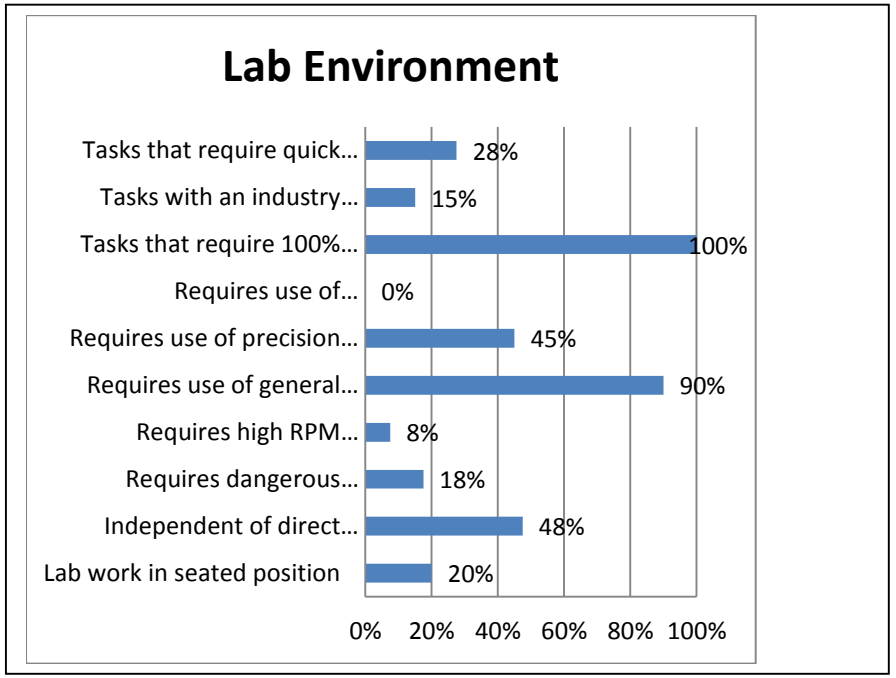


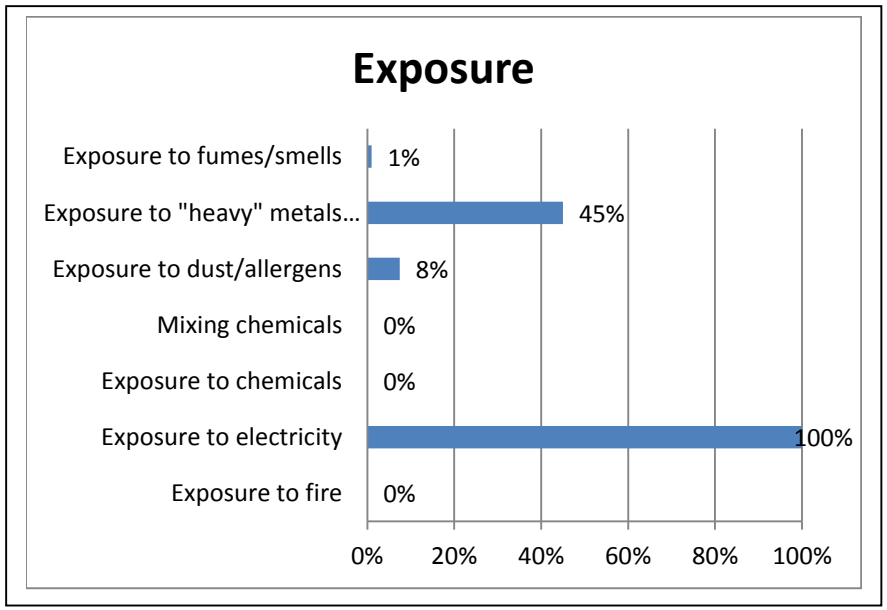
Print 46.0399
Program Index
SR2CTC Checklist

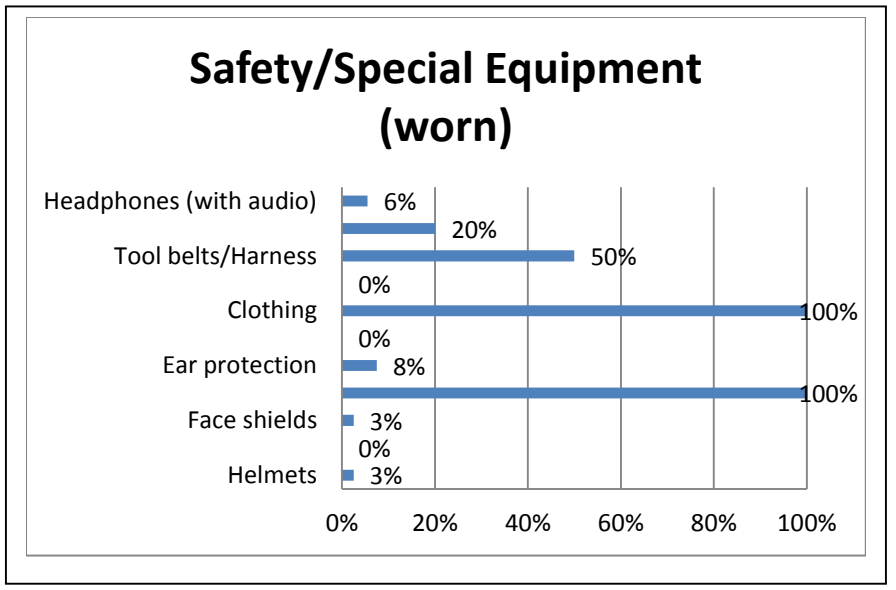
46.0399 Electrical & Power Transmission – POS

© 2014 Indiana County Technology Center

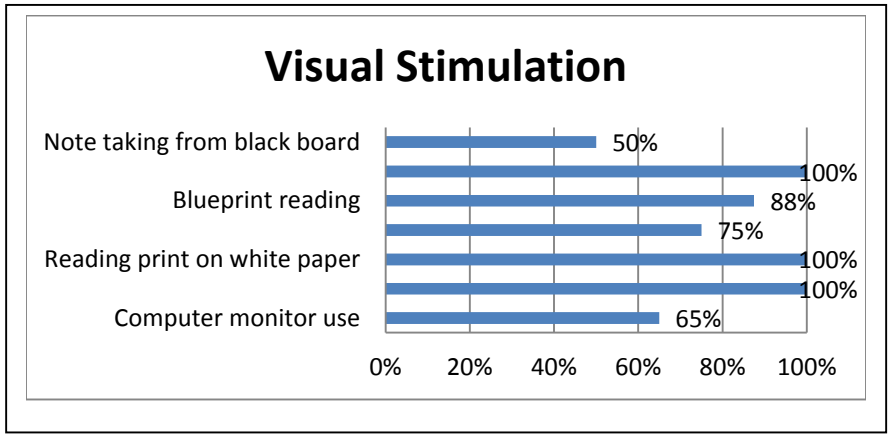


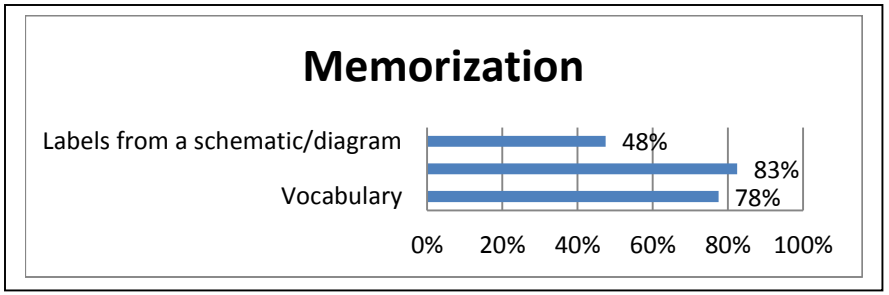


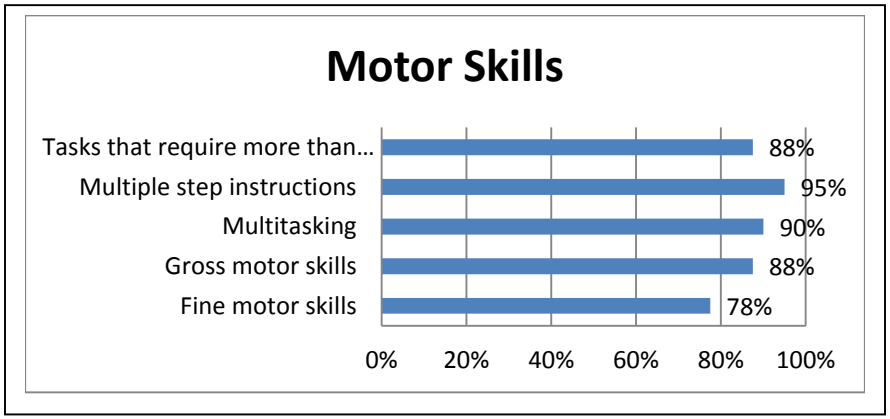


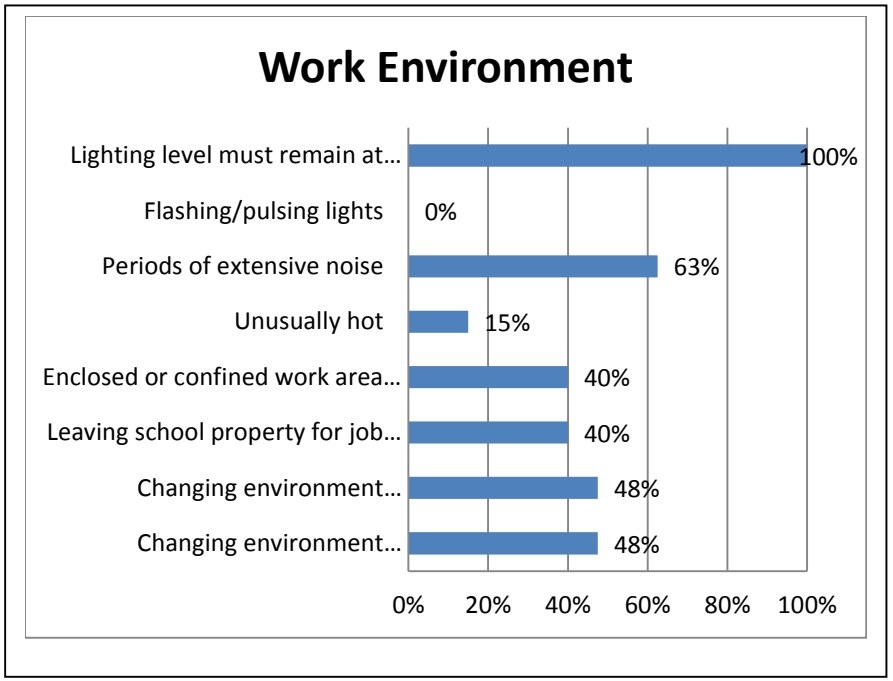


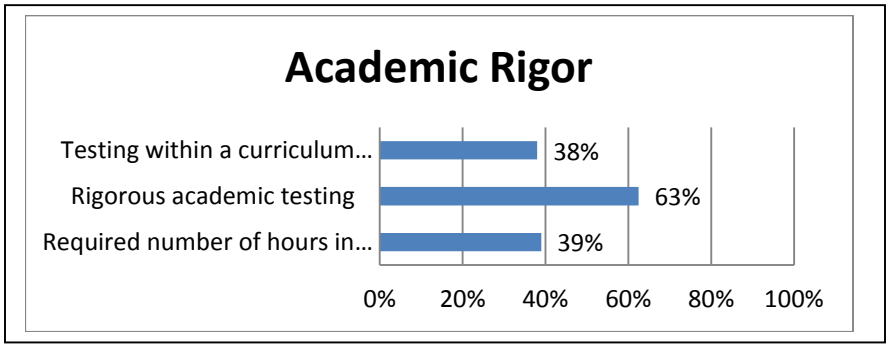
© 2014 Indiana County Technology Center







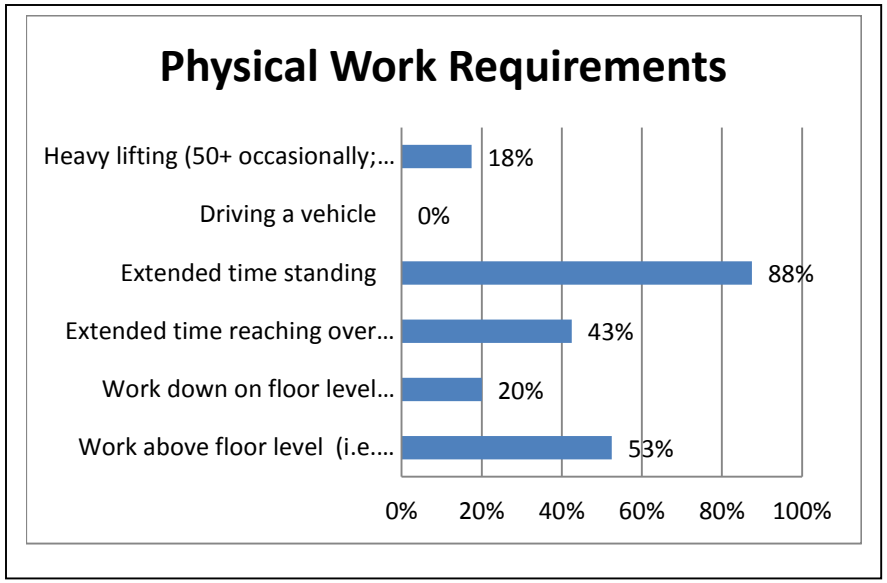


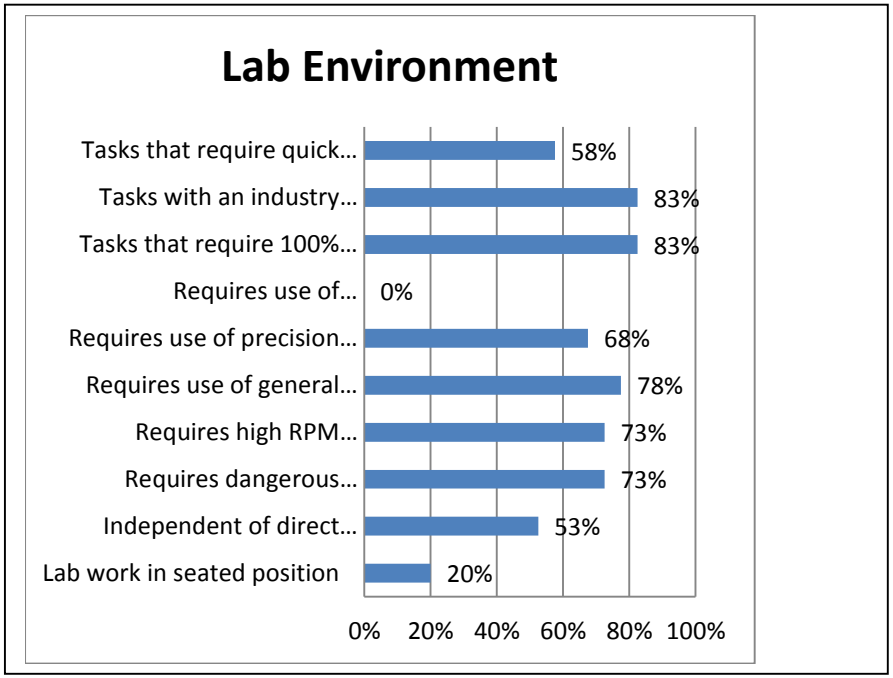


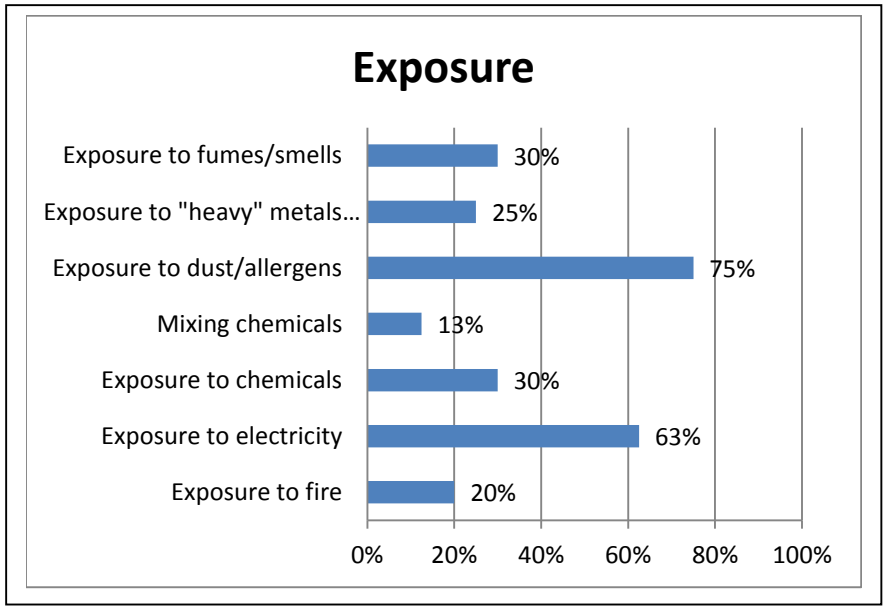
Print 46.0401
Program Index
SR2CTC Checklist

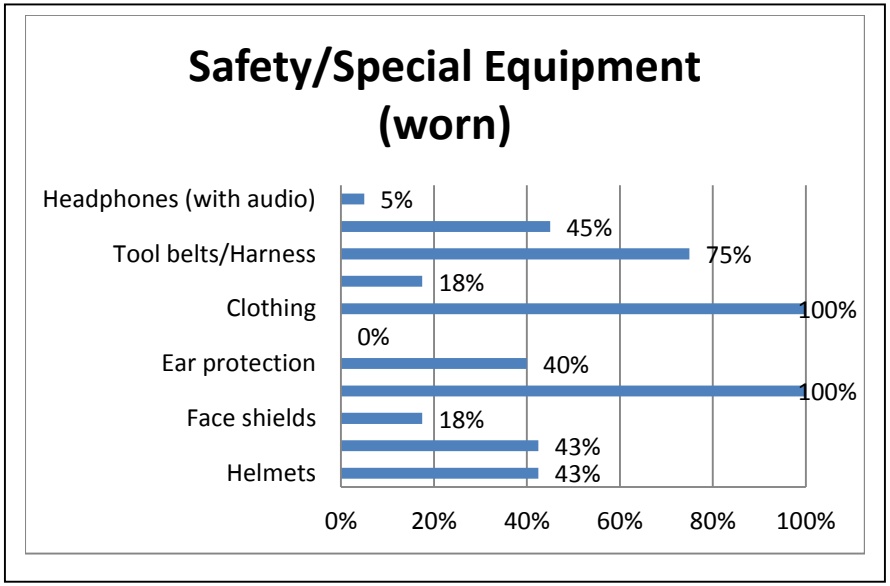
46.0401 Building Property Maintenance – POS

© 2014 Indiana County Technology Center

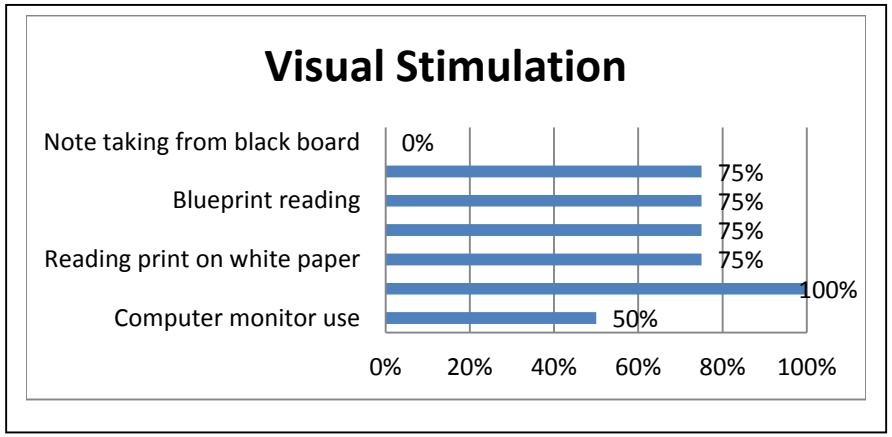


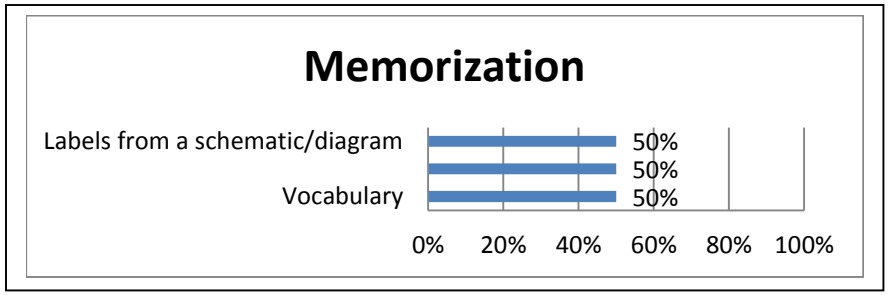


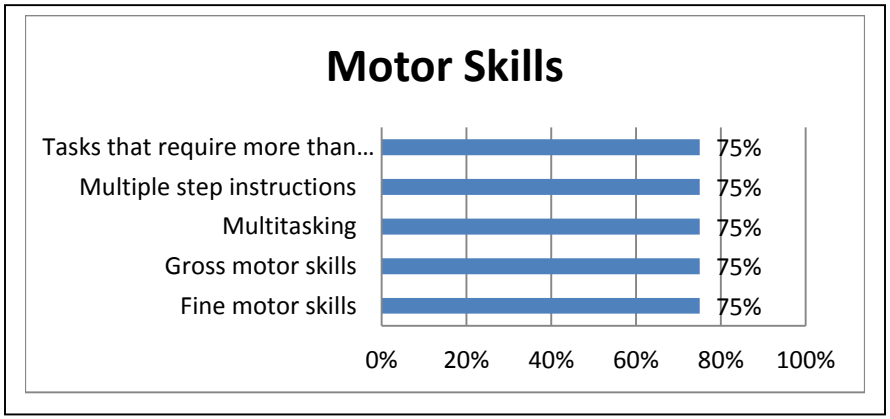


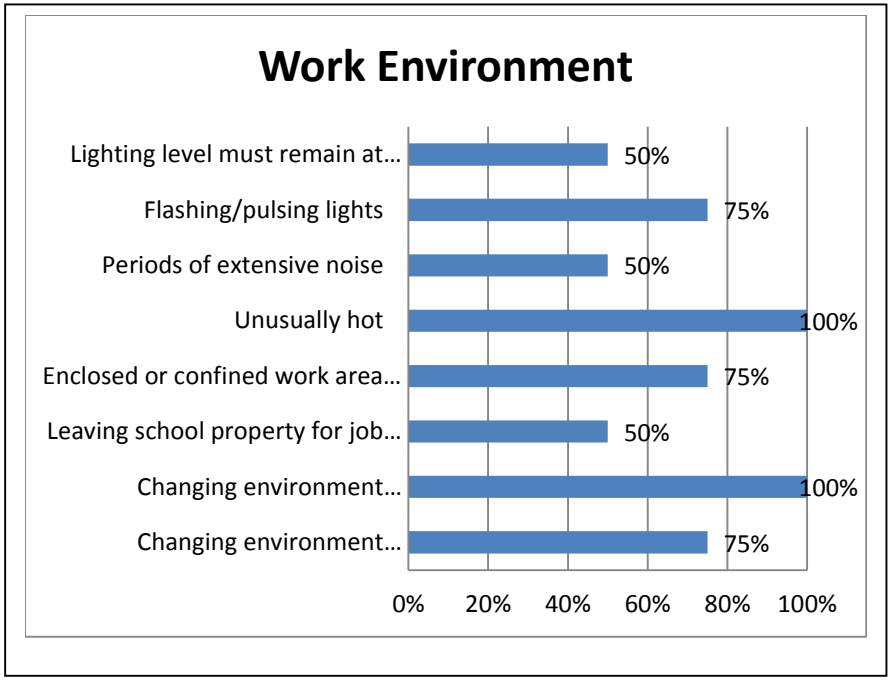


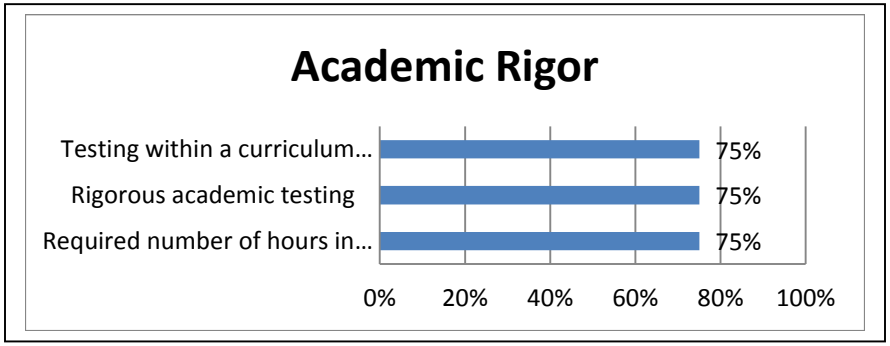
© 2014 Indiana County Technology Center







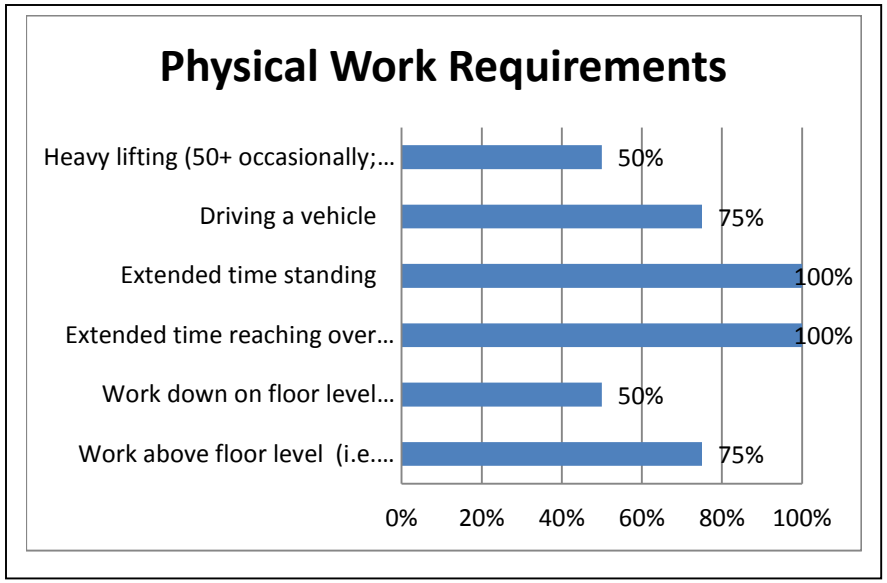


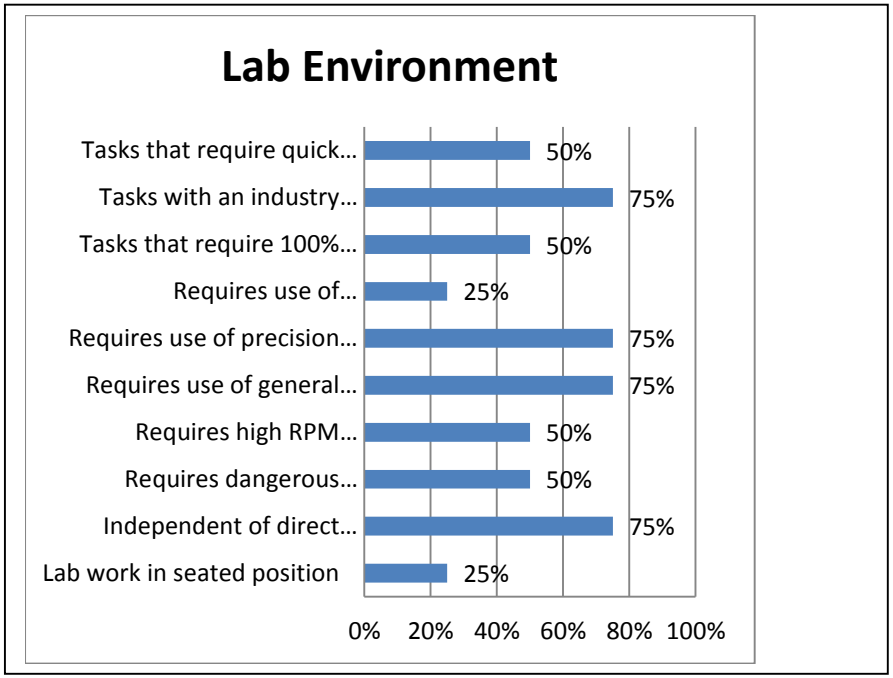


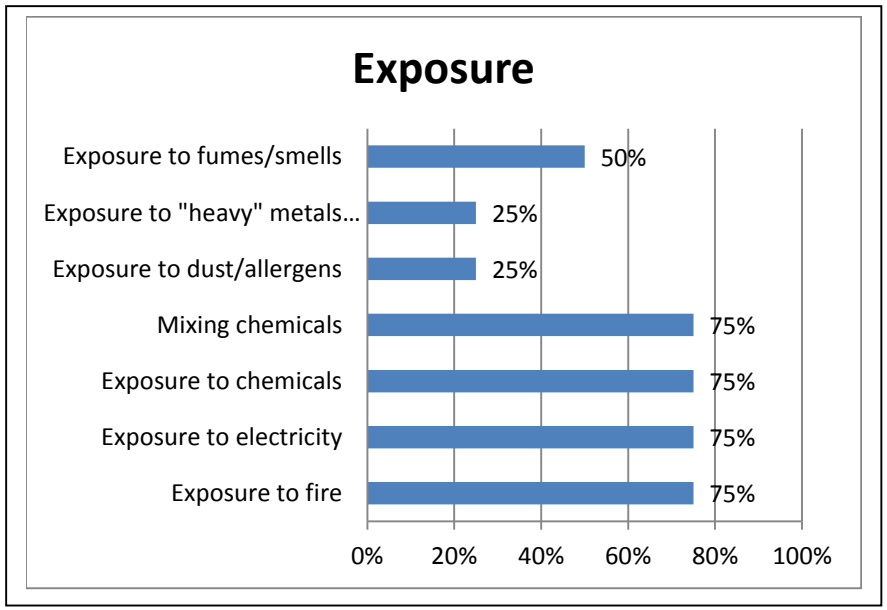
Print 46.0503
Program Index
SR2CTC Checklist

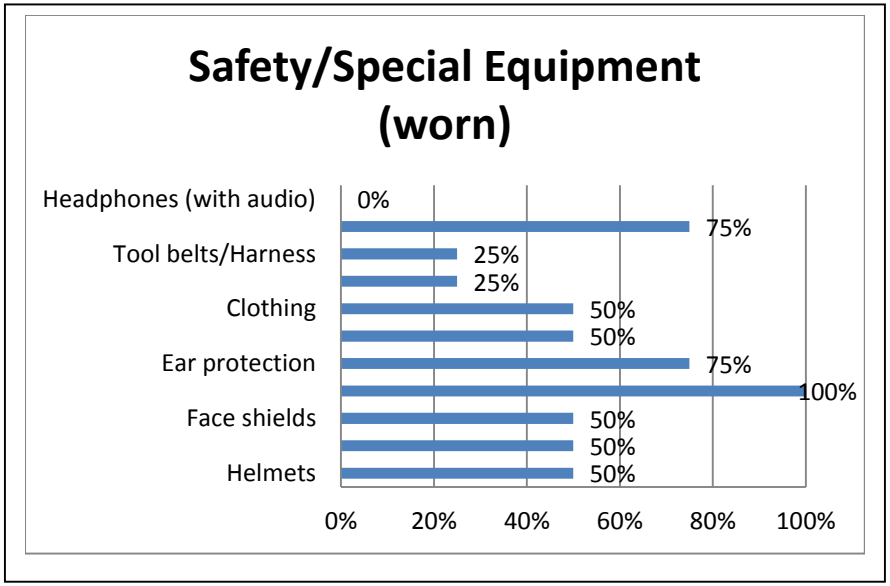
46.0503 Plumbing Technology – POS

© 2014 Indiana County Technology Center

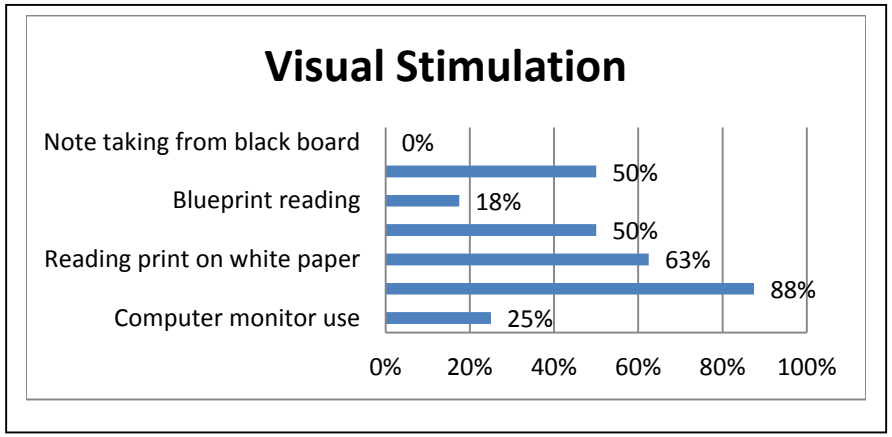


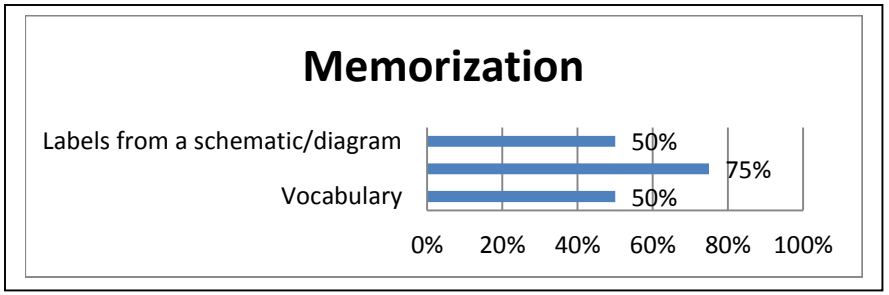


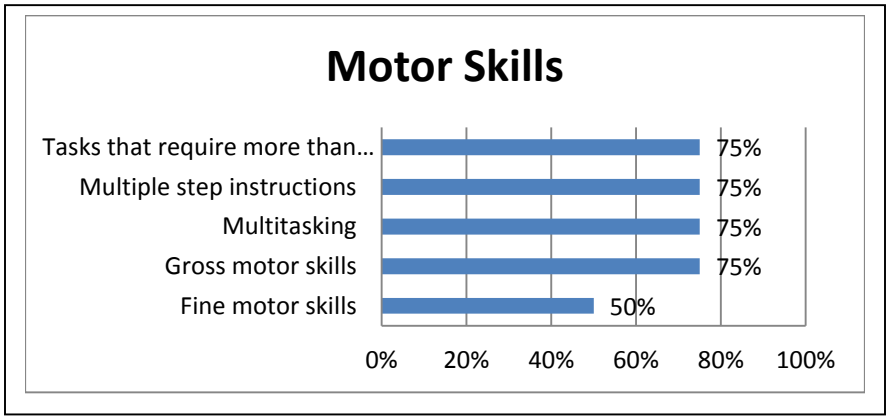


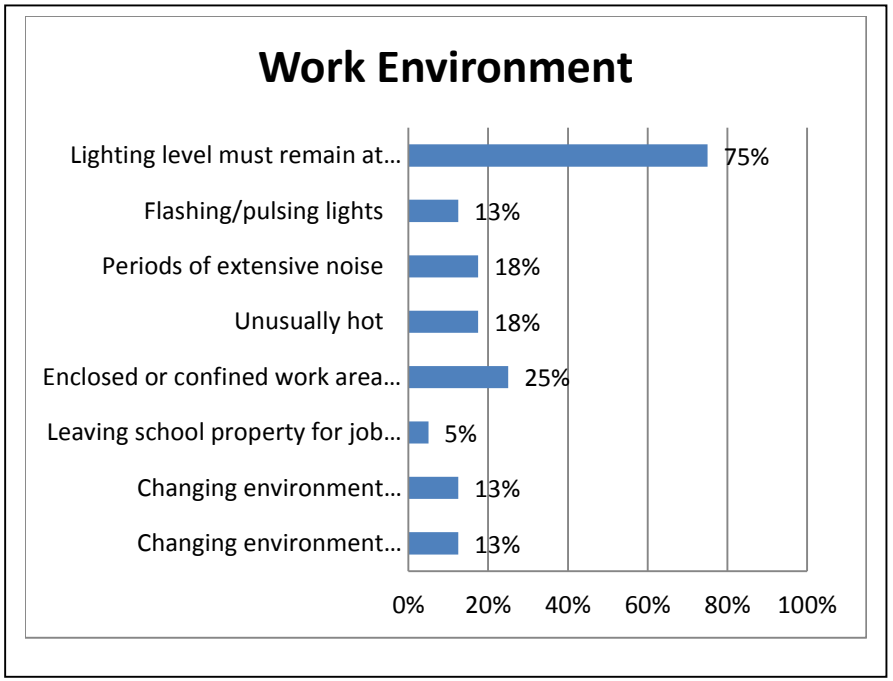


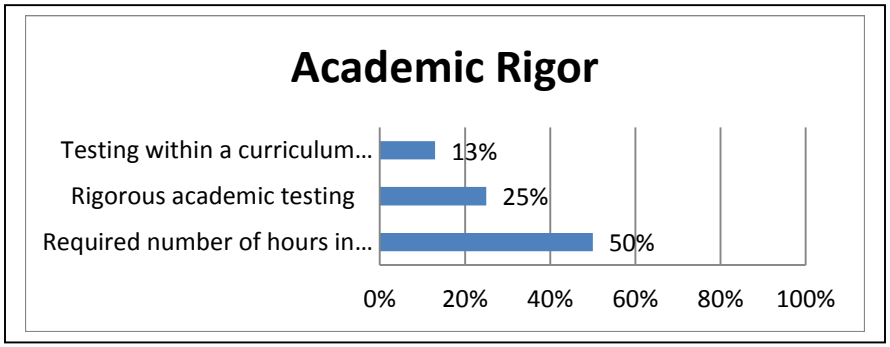
© 2014 Indiana County Technology Center





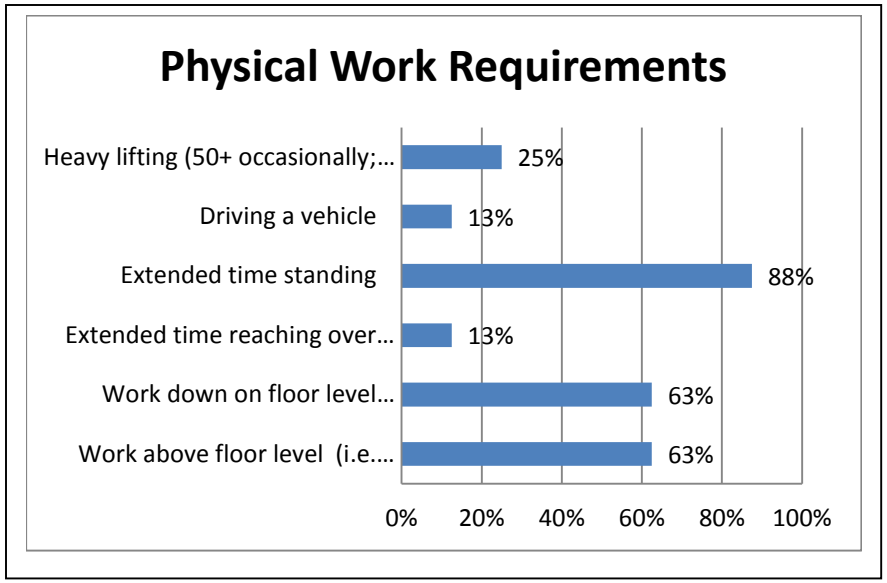


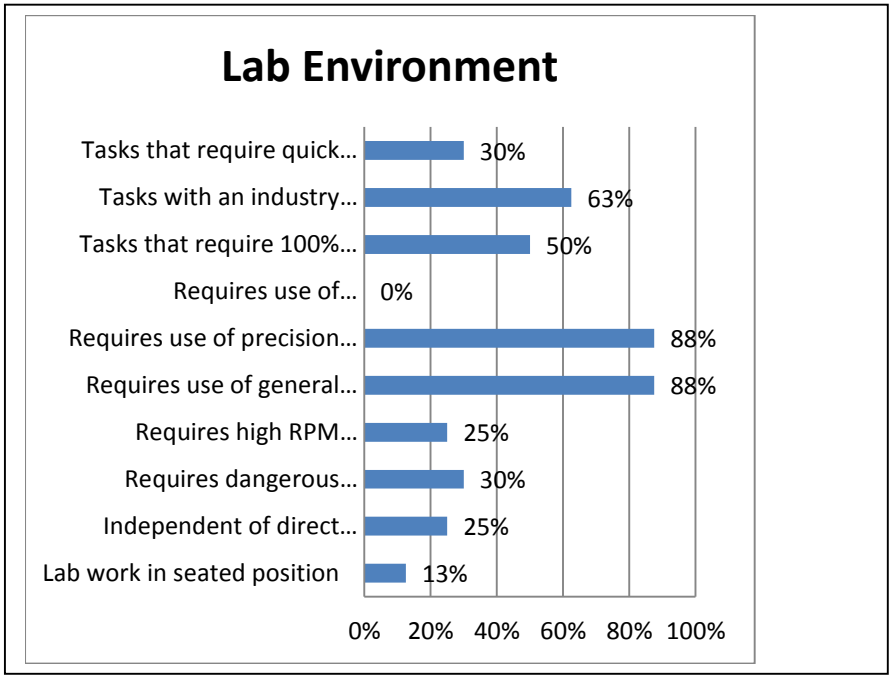


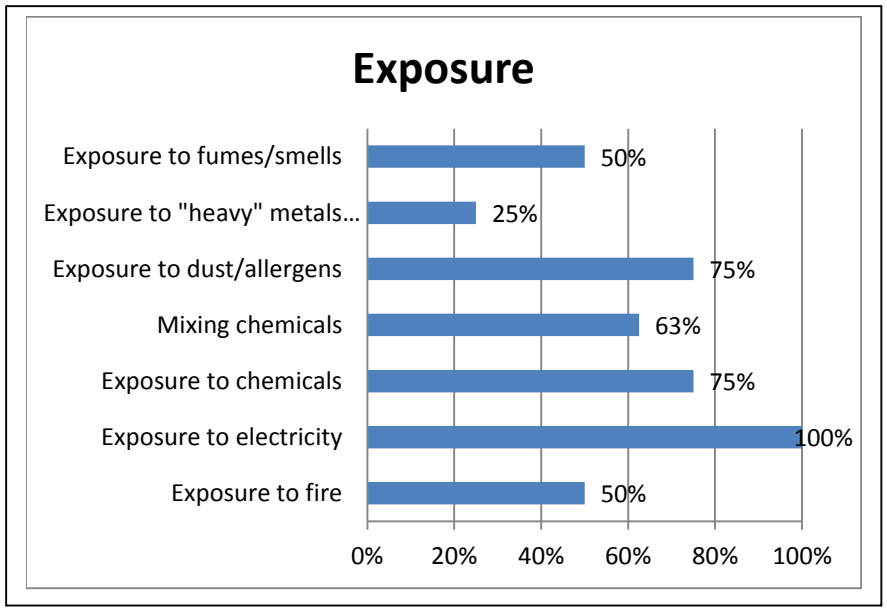


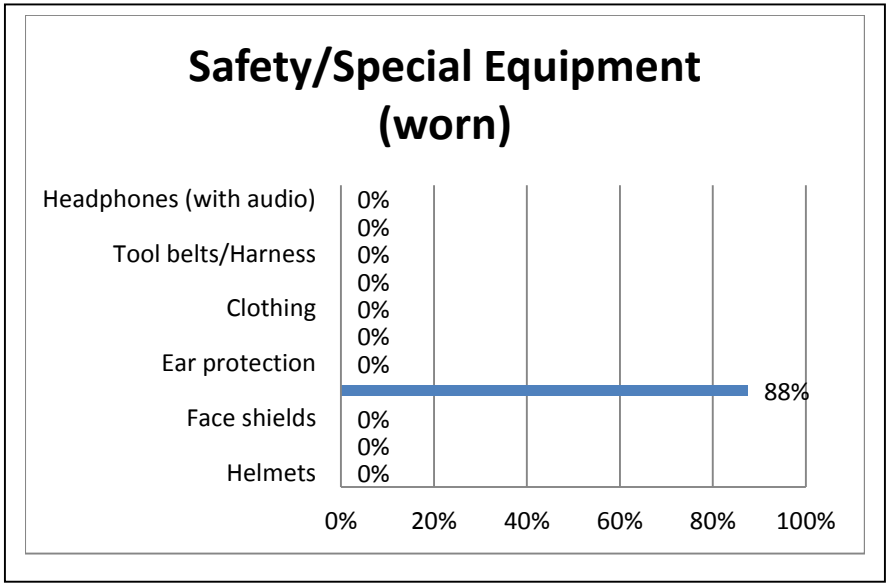
Print 47.0201
Program Index
SR2CTC Checklist

© 2014 Indiana County Technology Center

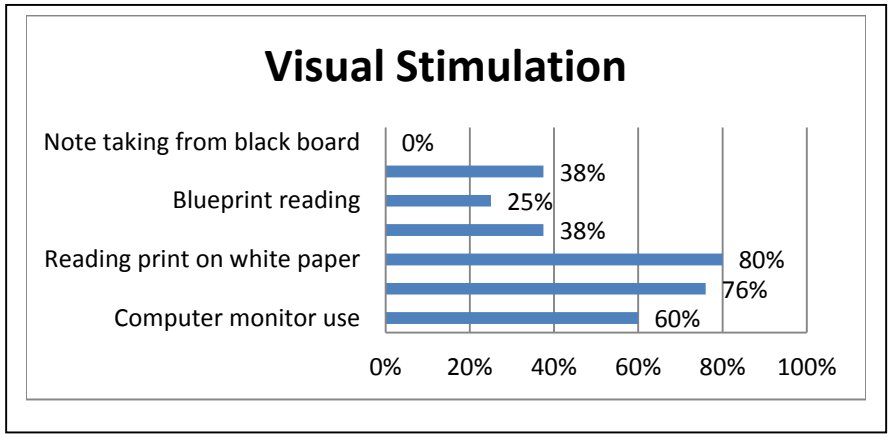


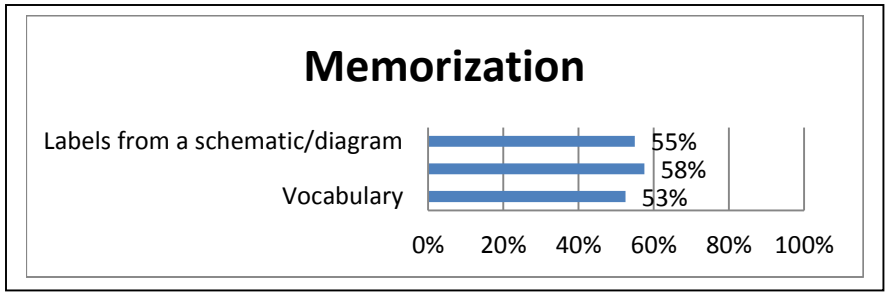


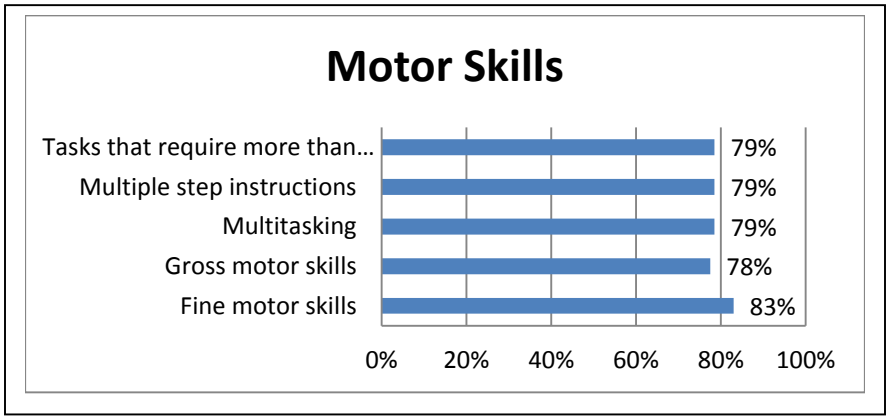


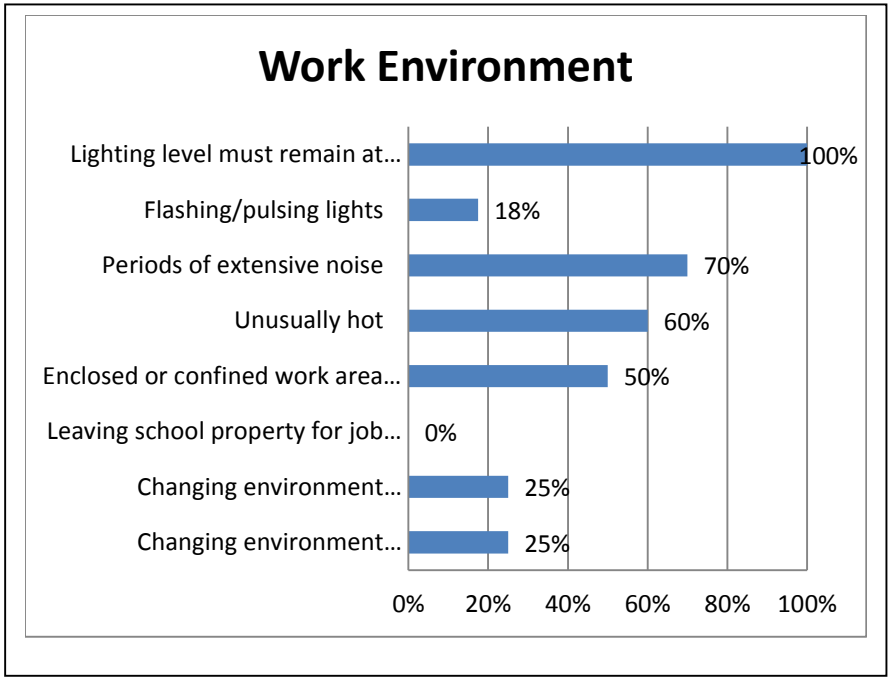


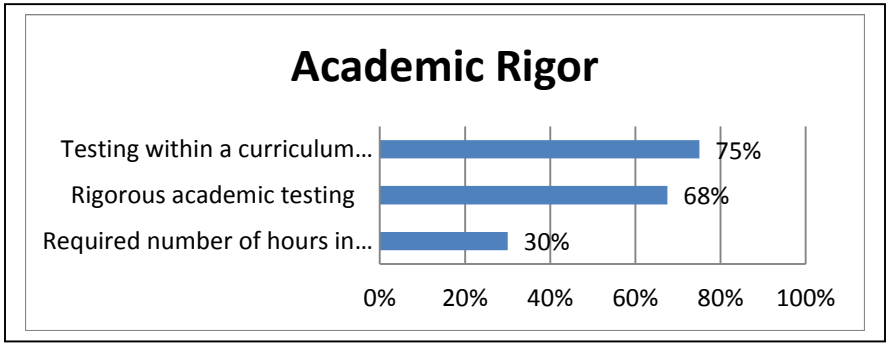
© 2014 Indiana County Technology Center







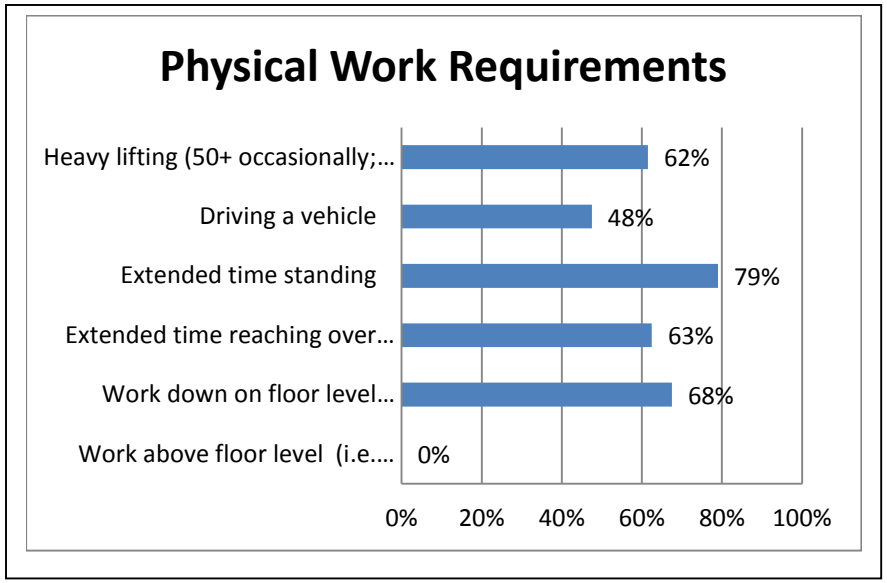


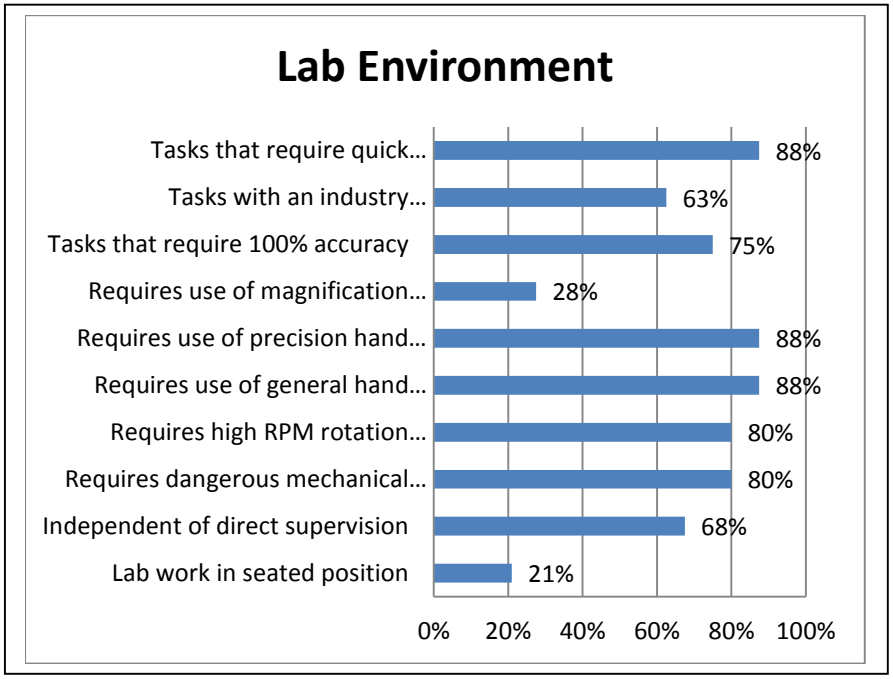


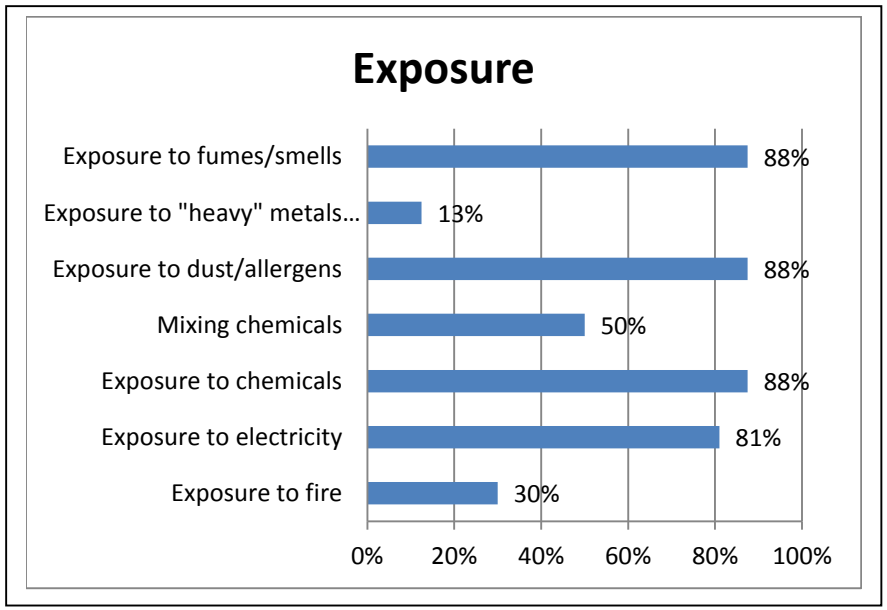
Print 47.0603
Program Index
SR2CTC Checklist

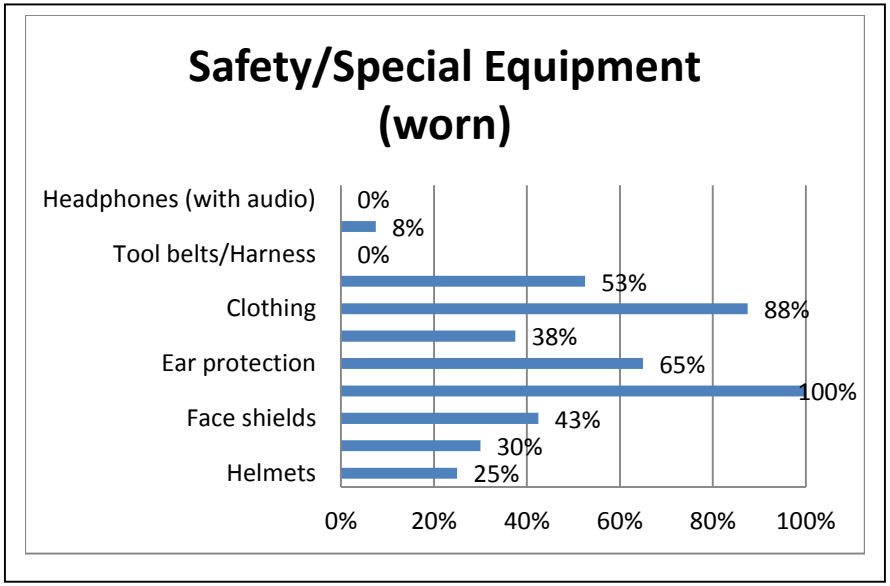
47.0603 Autobody/Collision and Repair – POS

© 2014 Indiana County Technology Center

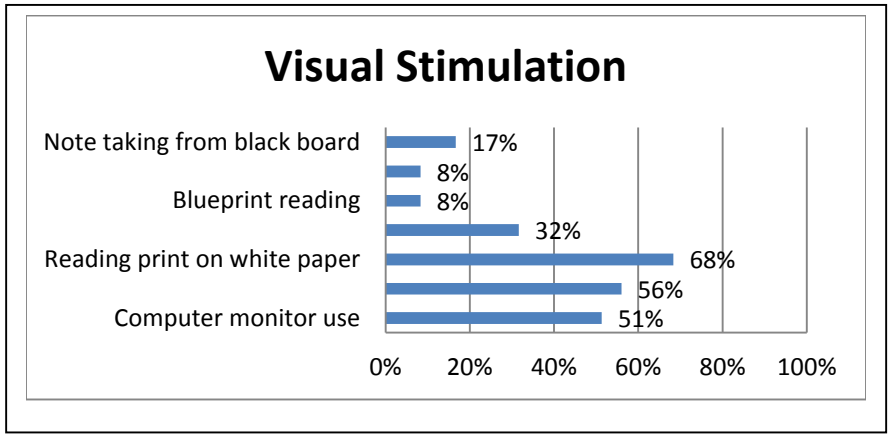


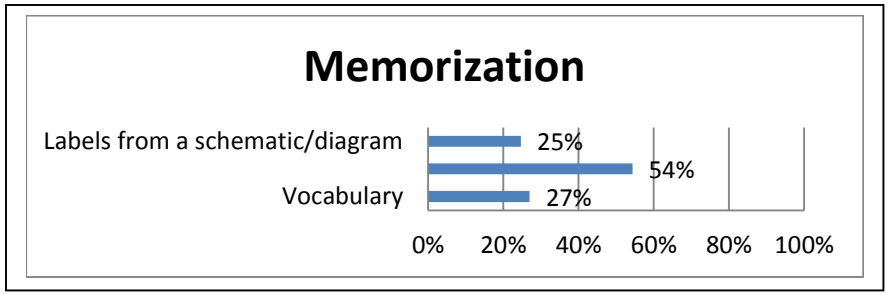


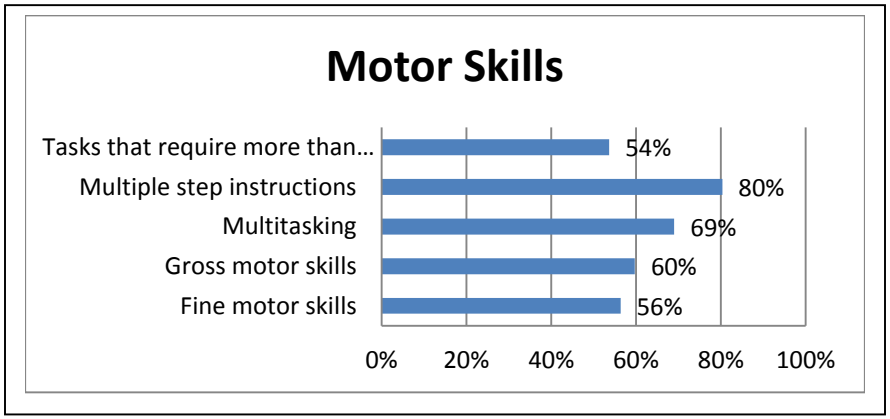


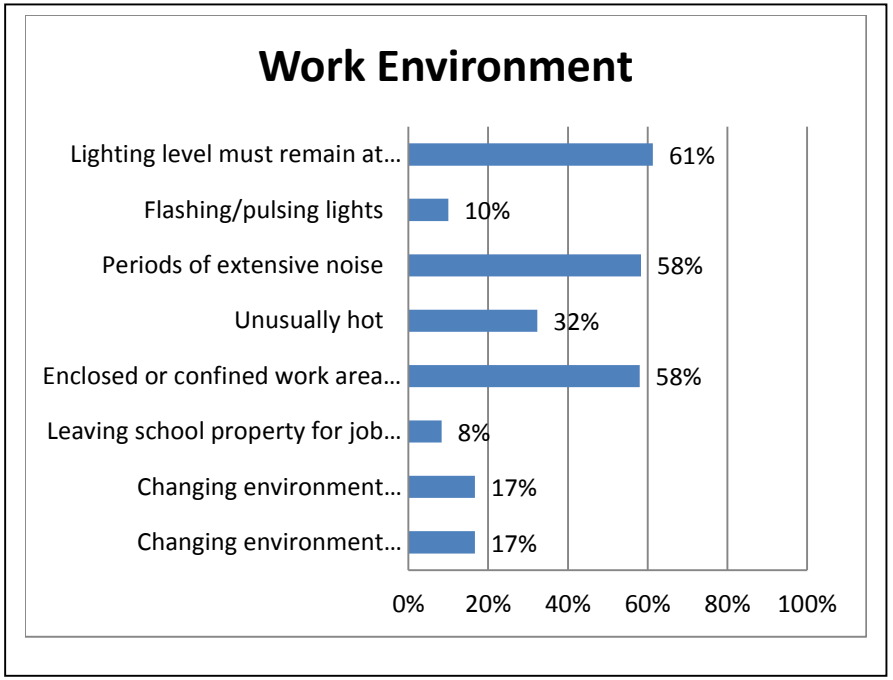


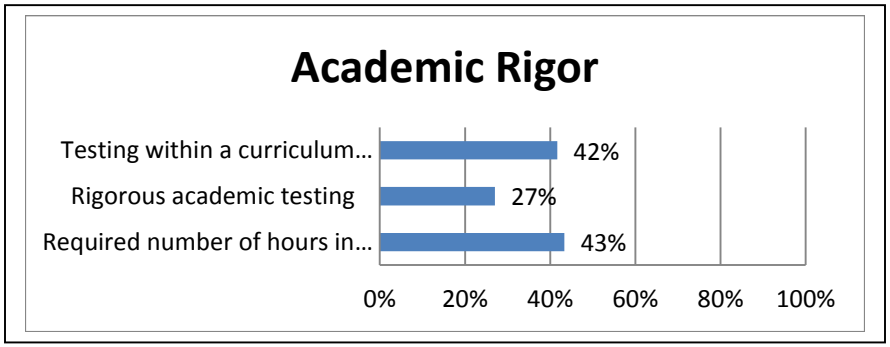
© 2014 Indiana County Technology Center







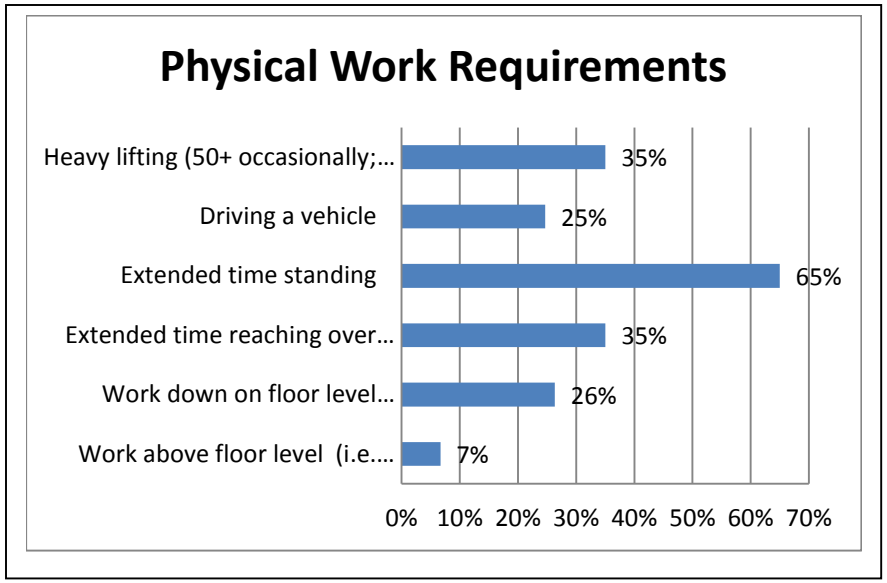


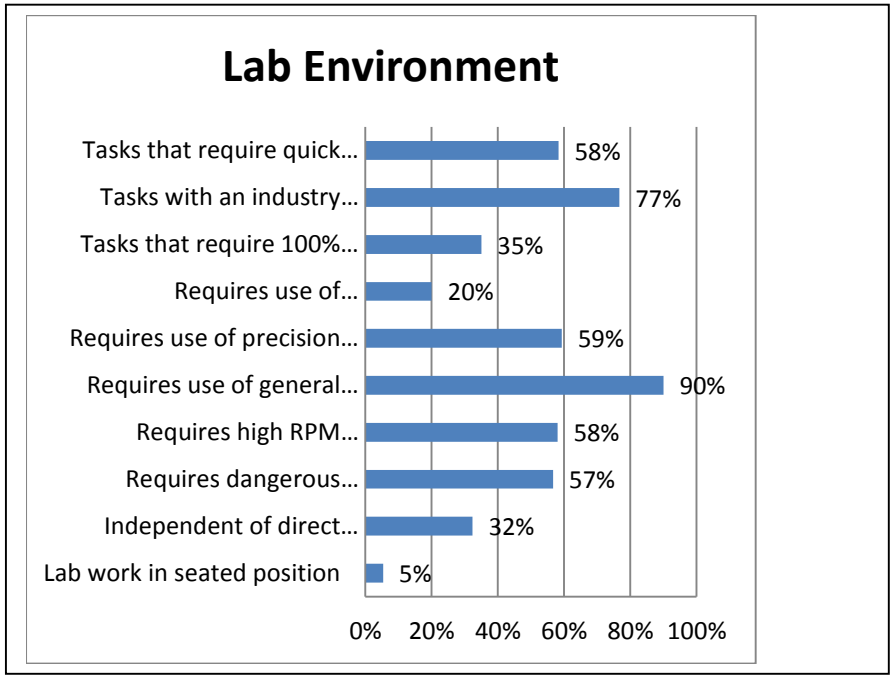


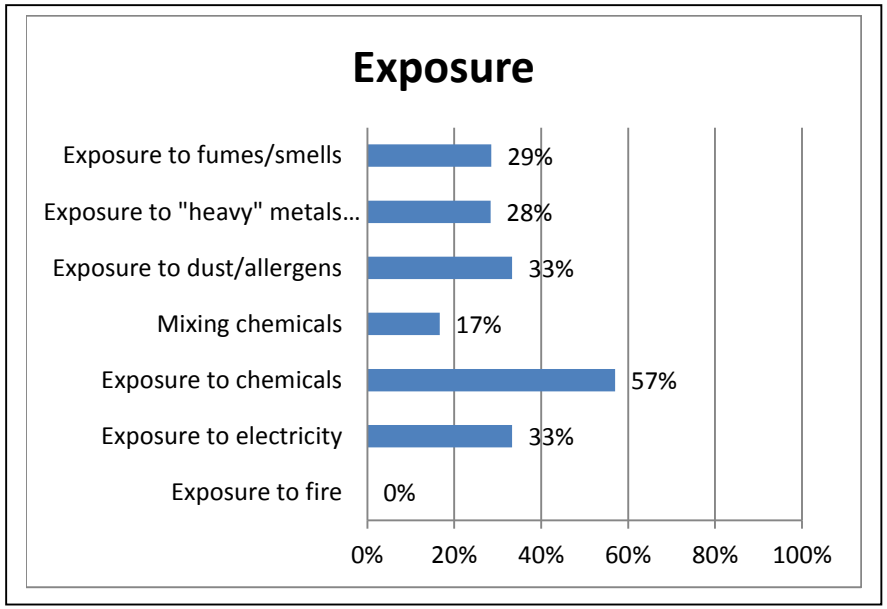
Print 47.0604
Program Index
SR2CTC Checklist

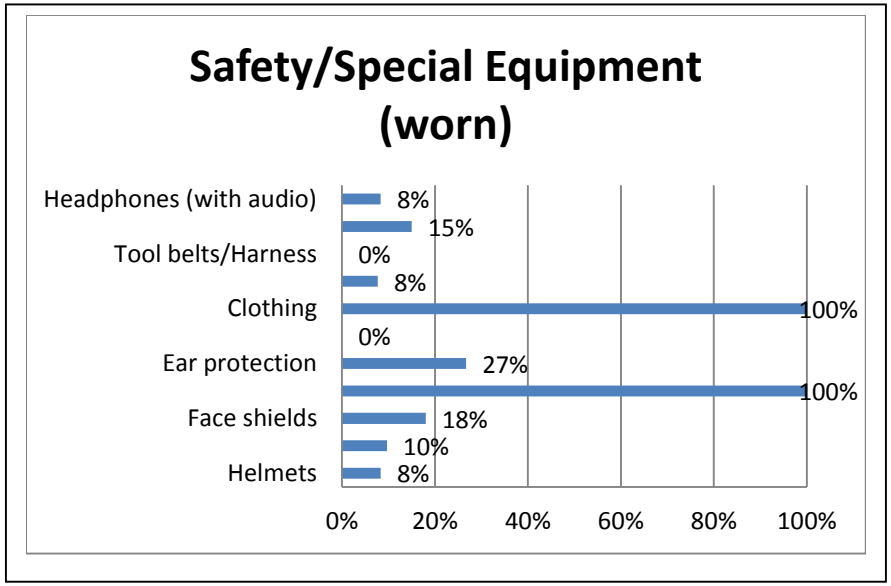
47.0604 Automobile/Automotive Mechanics Technology/Technician – POS

© 2014 Indiana County Technology Center

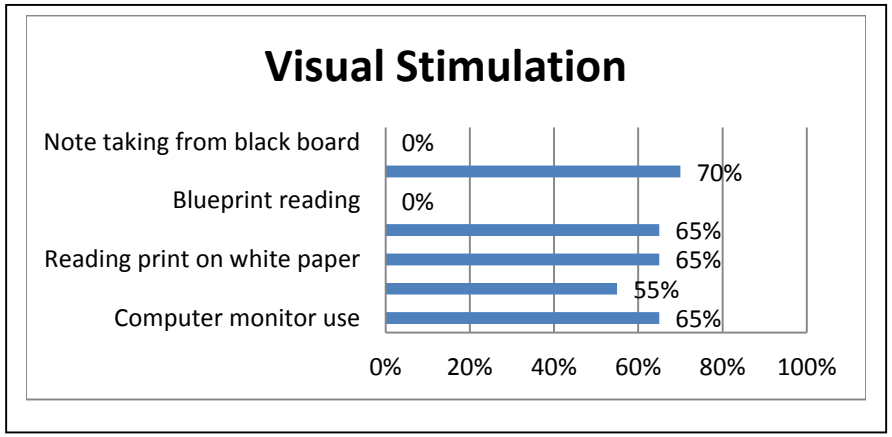


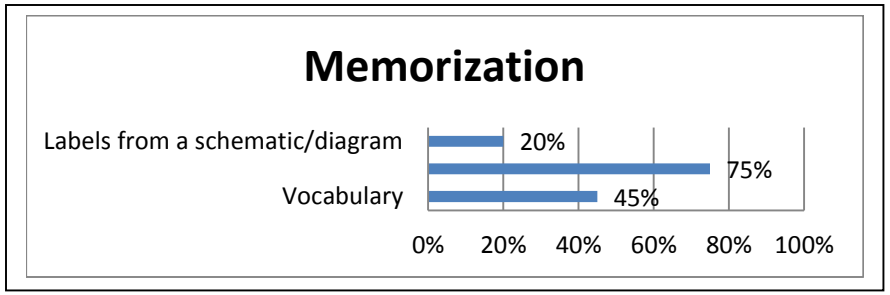


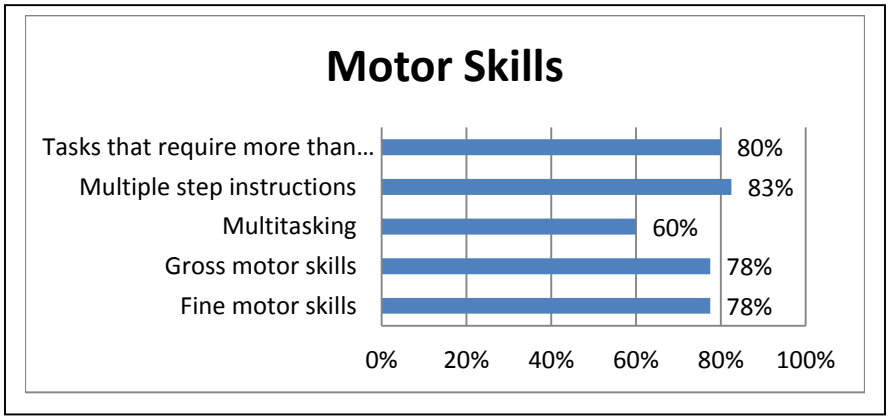


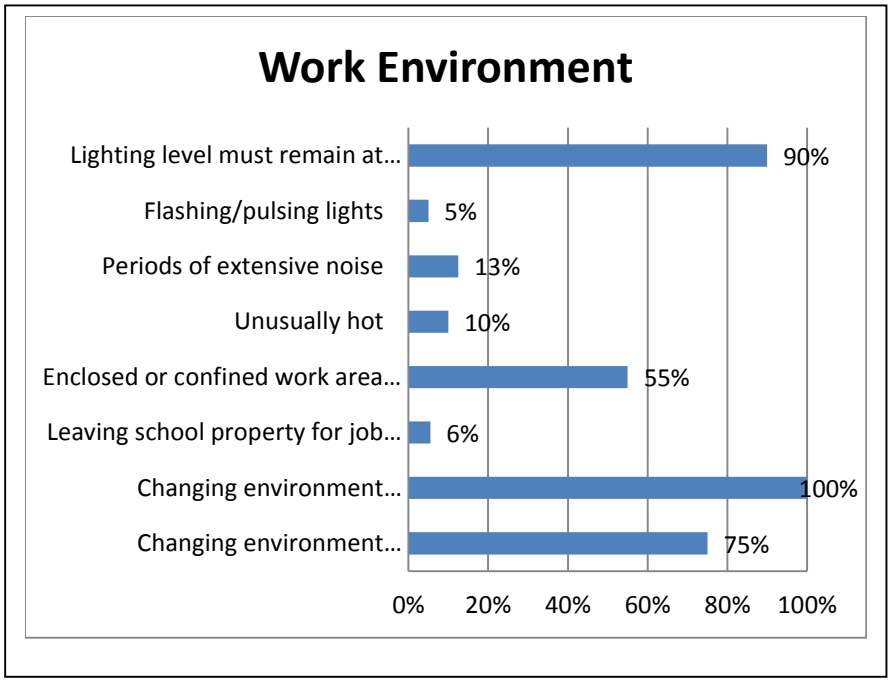


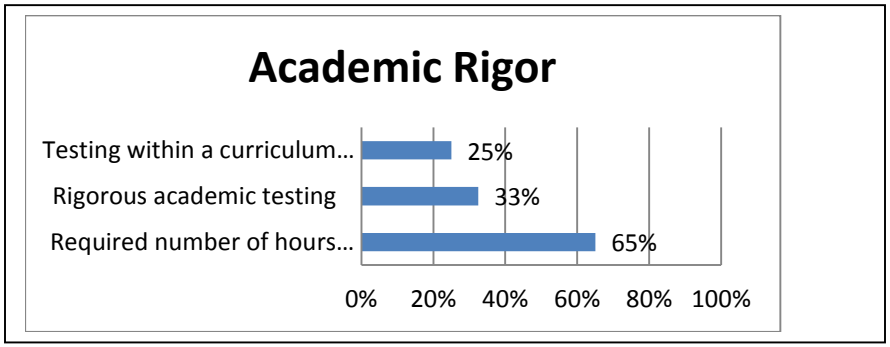
© 2014 Indiana County Technology Center







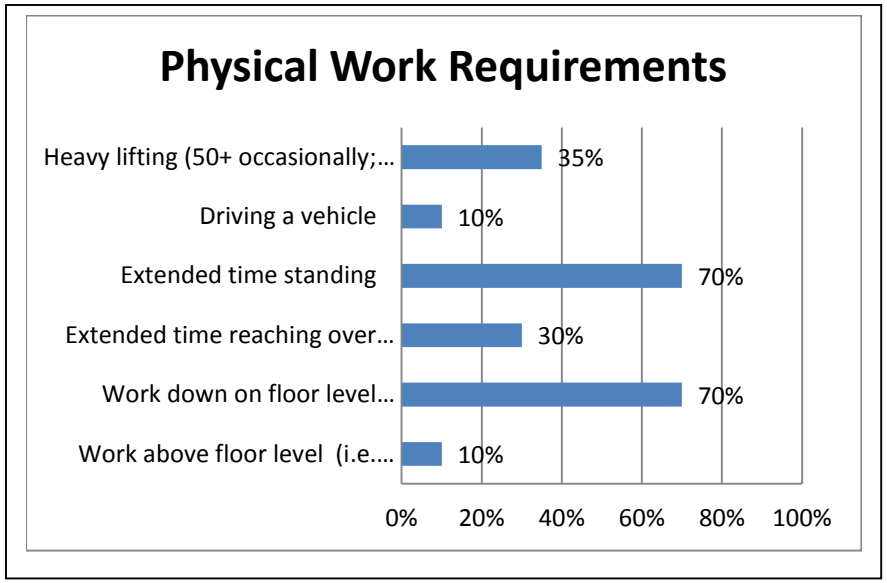


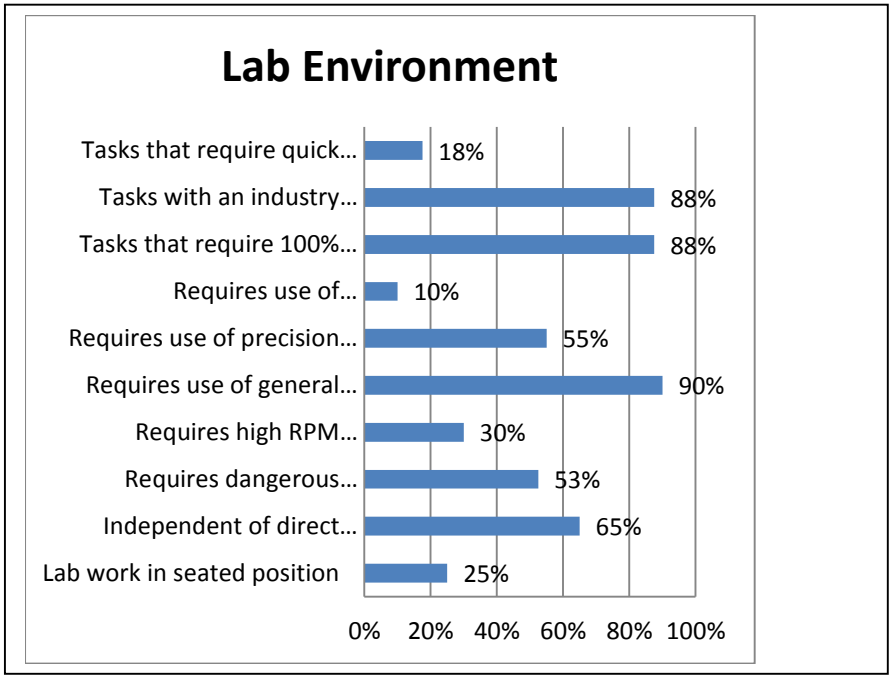


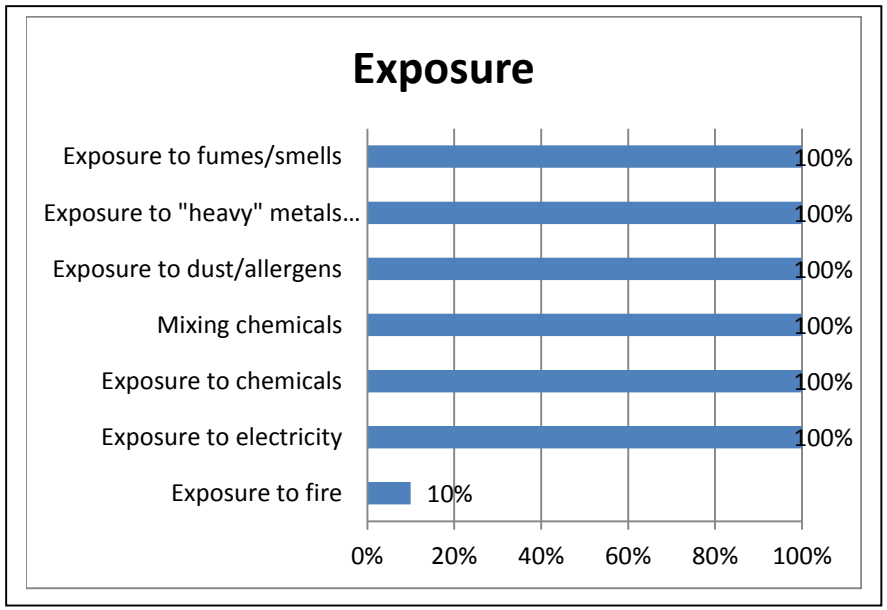
Print 47.0613
Program Index
SR2CTC Checklist

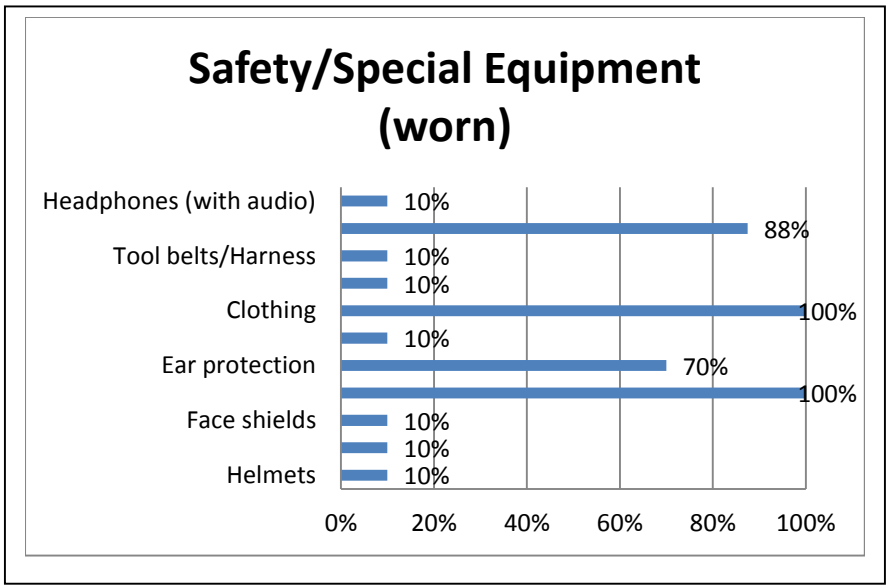
47.0613 Medium Heavy Vehicle and Truck – POS

© 2014 Indiana County Technology Center

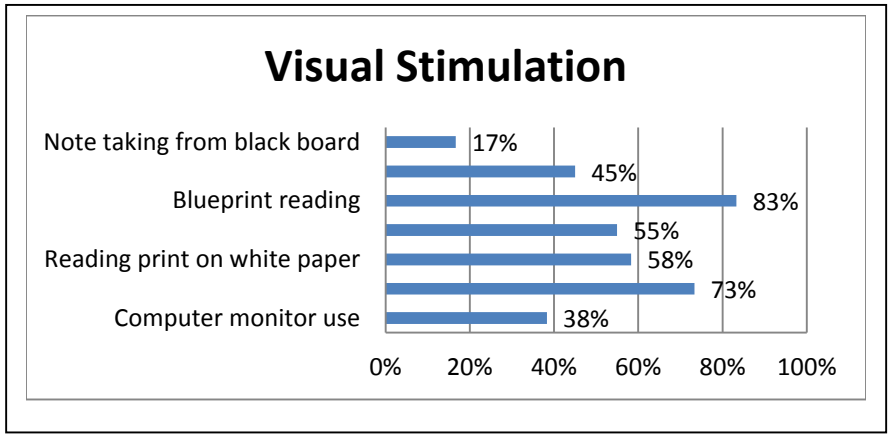


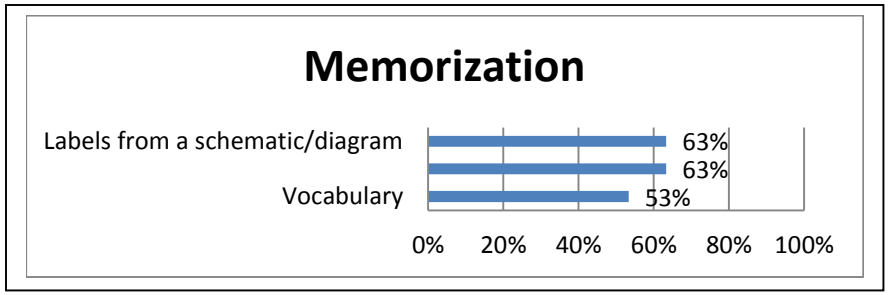


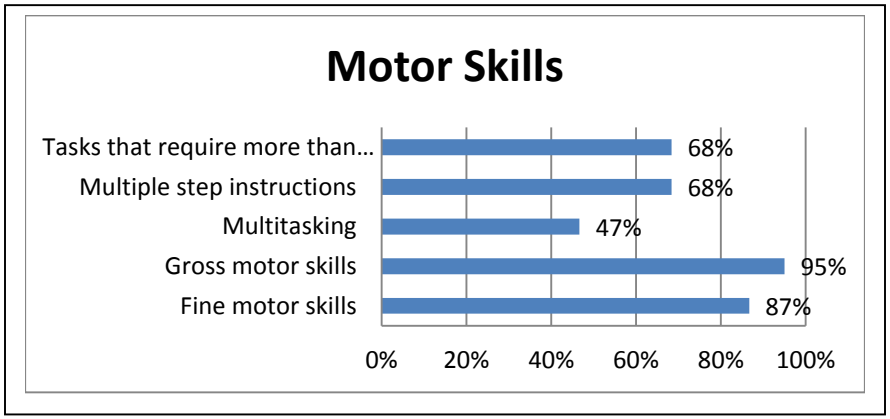


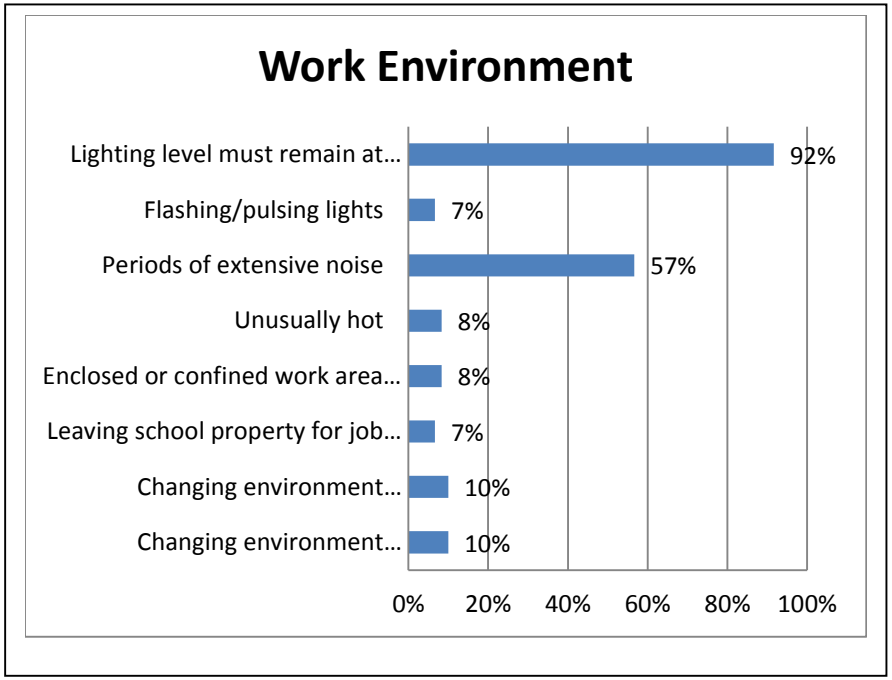


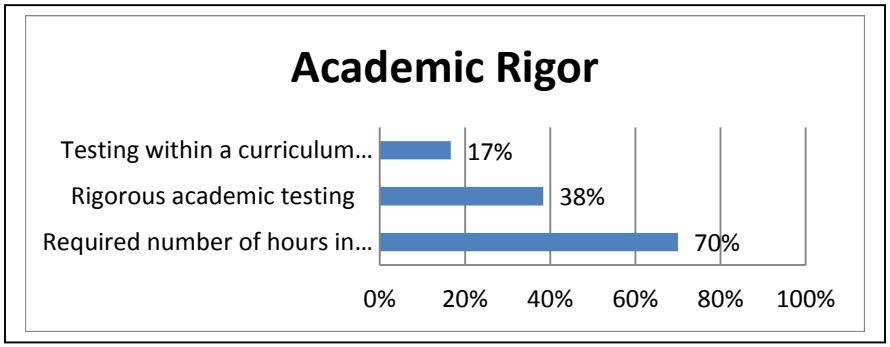
© 2014 Indiana County Technology Center







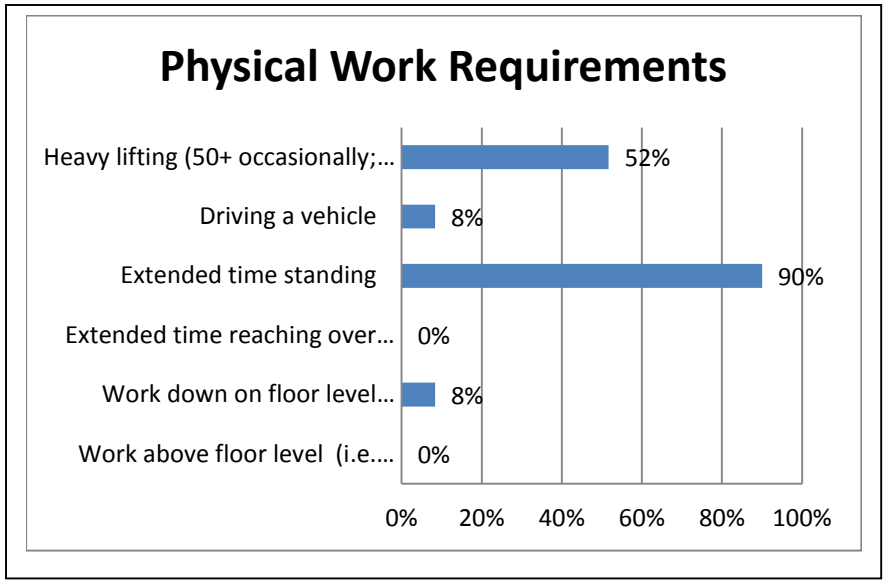


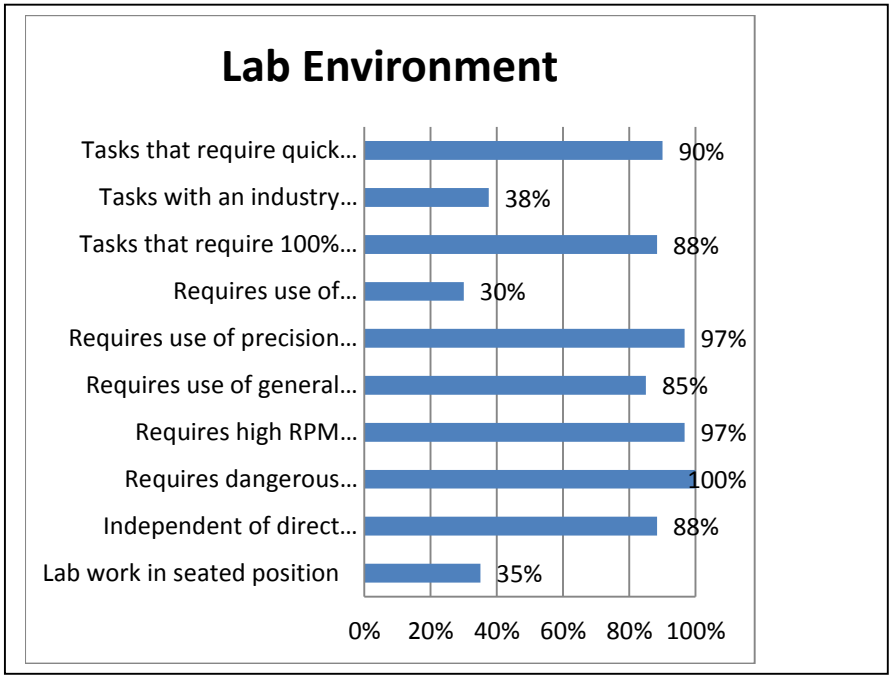


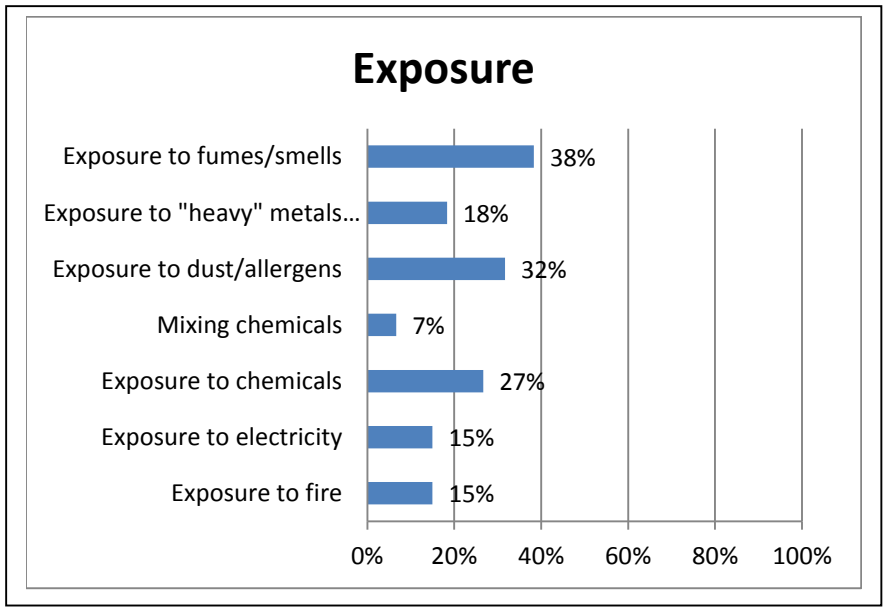
Print 48.0501
Program Index
SR2CTC Checklist

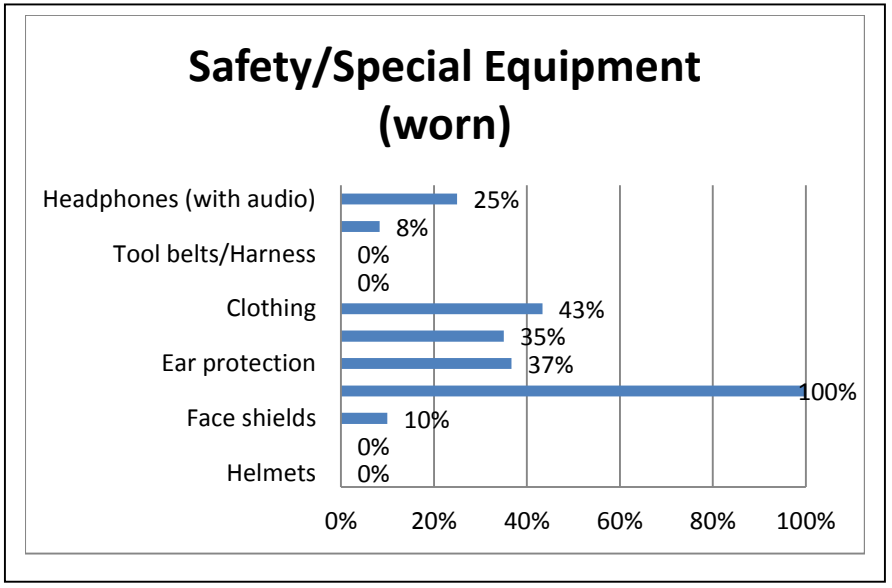
48.0501 Machine Tool Technology/Machinist – POS

© 2014 Indiana County Technology Center

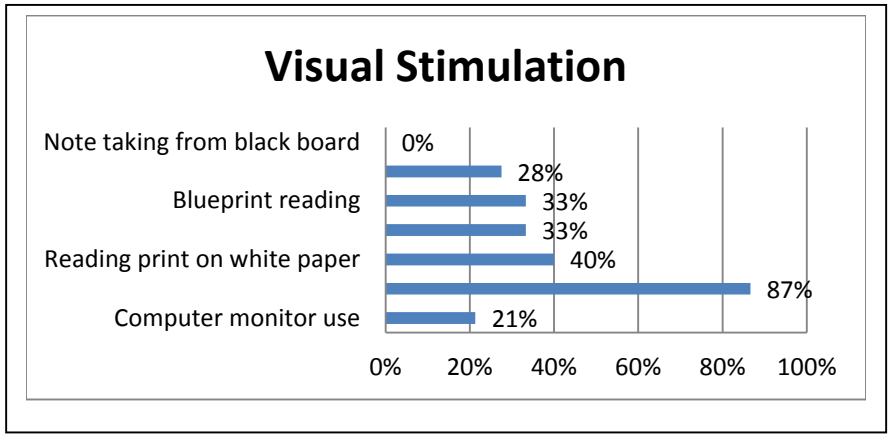


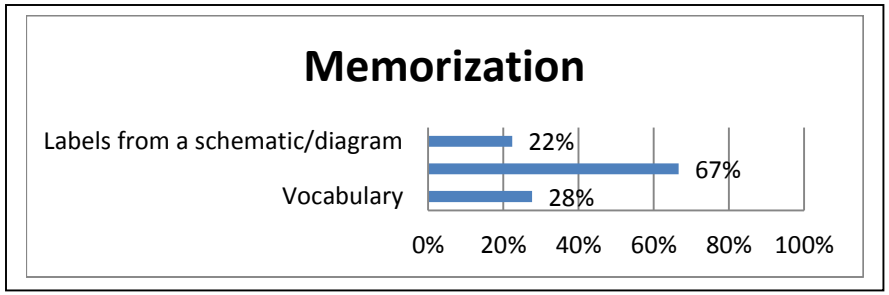


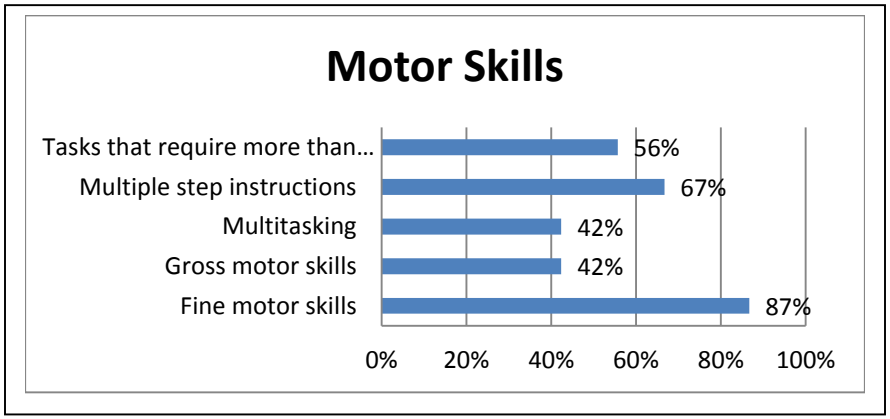


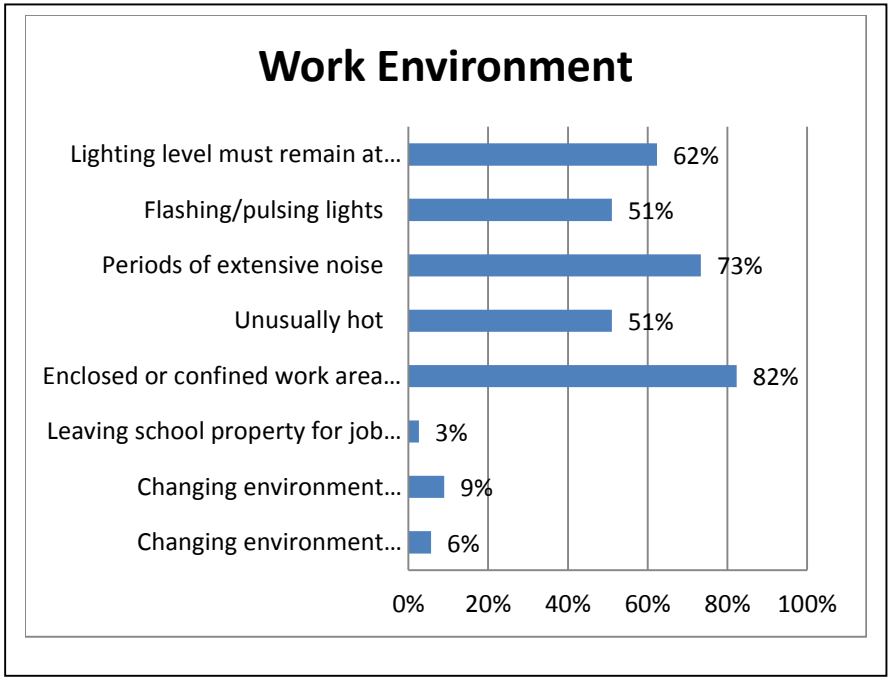


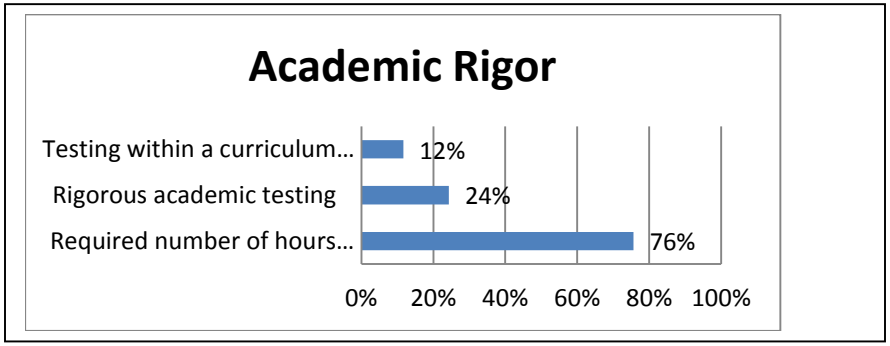
© 2014 Indiana County Technology Center







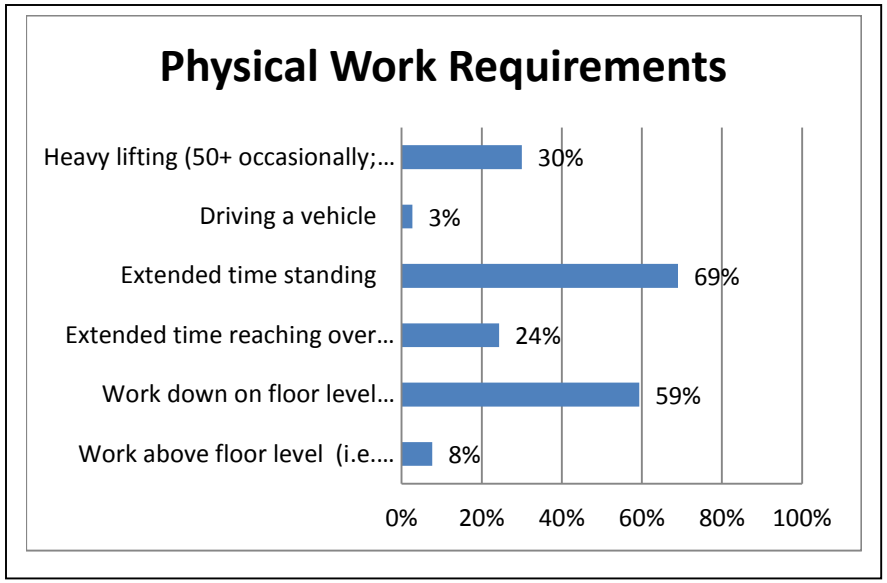


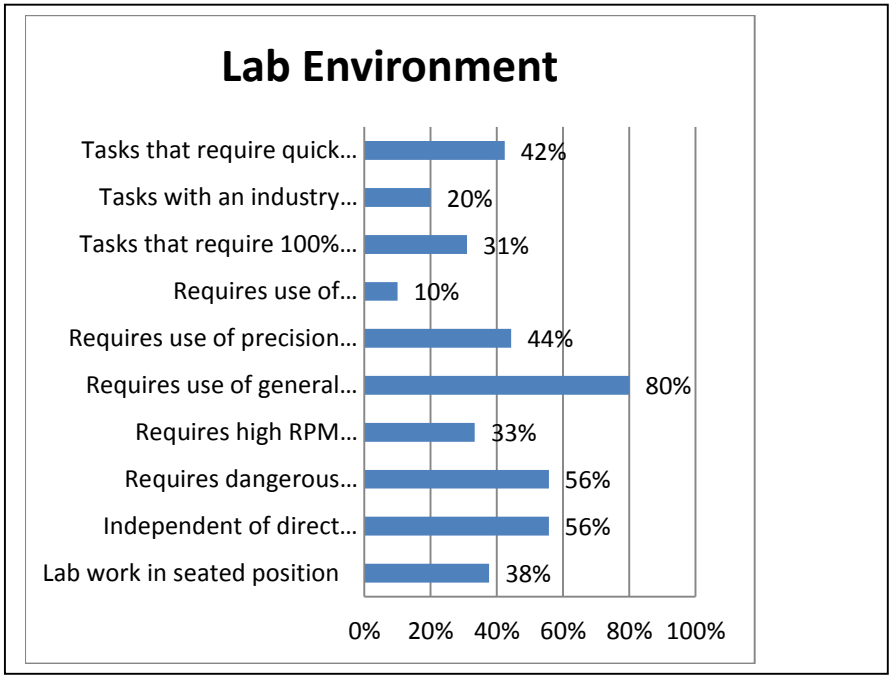


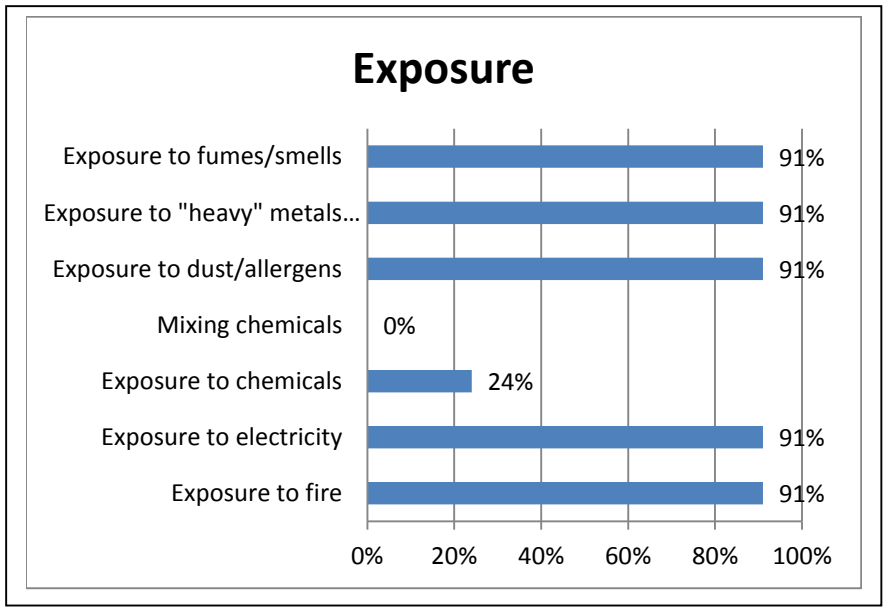
Print 48.0508
Program Index
SR2CTC Checklist

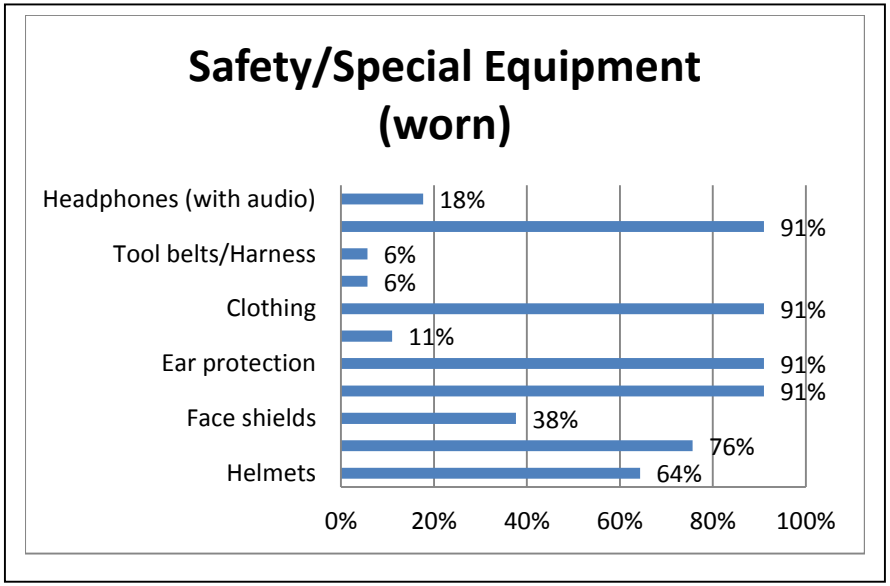
48.0508 Welding Technology/Welder – POS

© 2014 Indiana County Technology Center

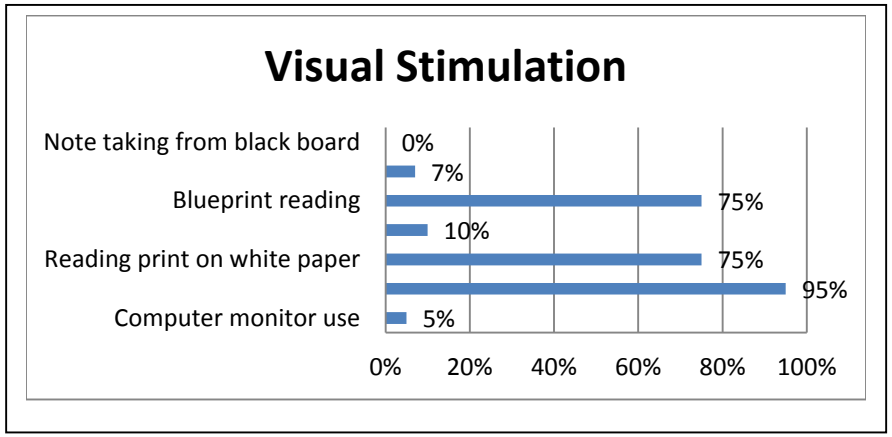


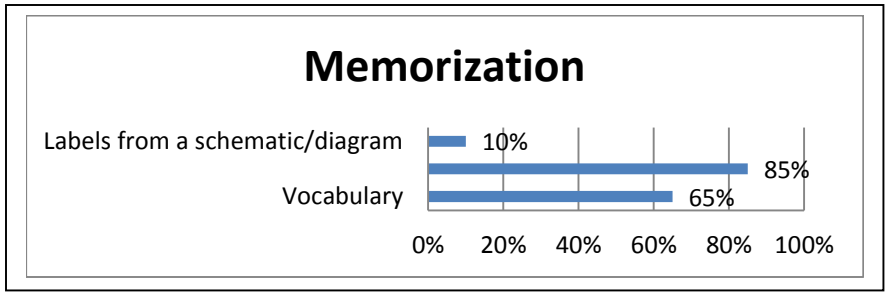


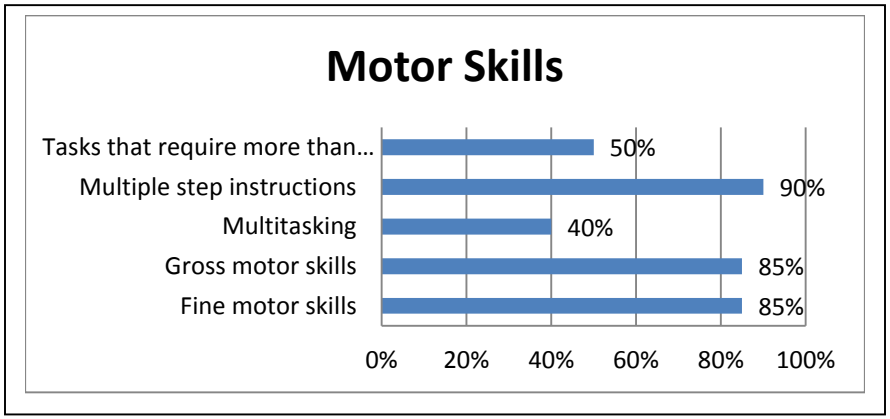


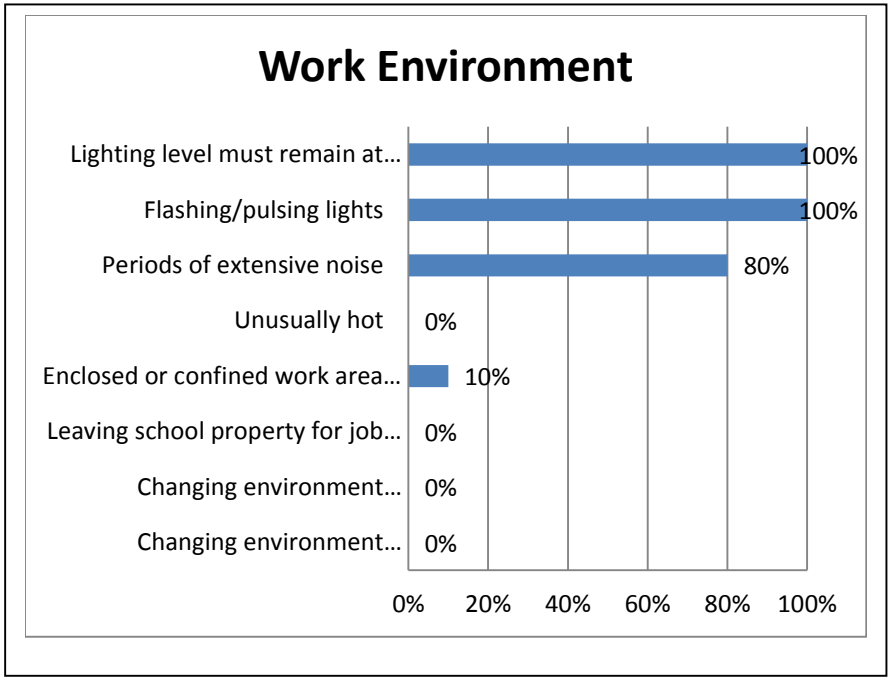


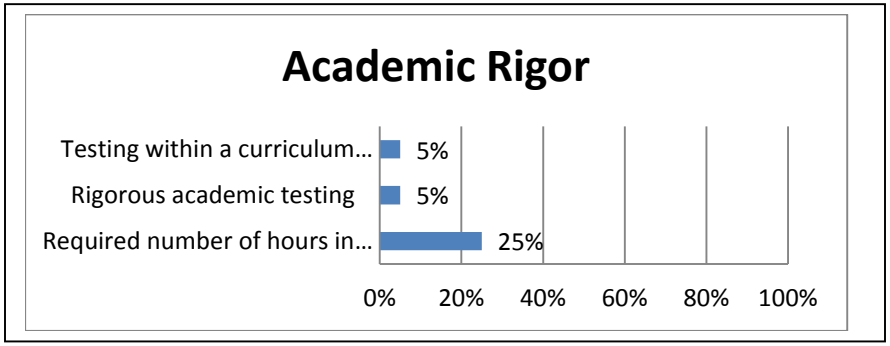
© 2014 Indiana County Technology Center







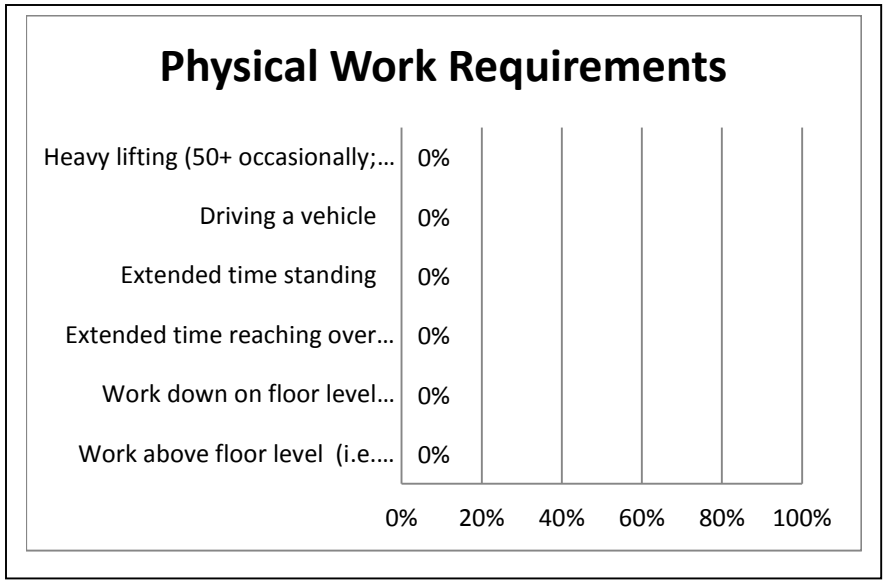


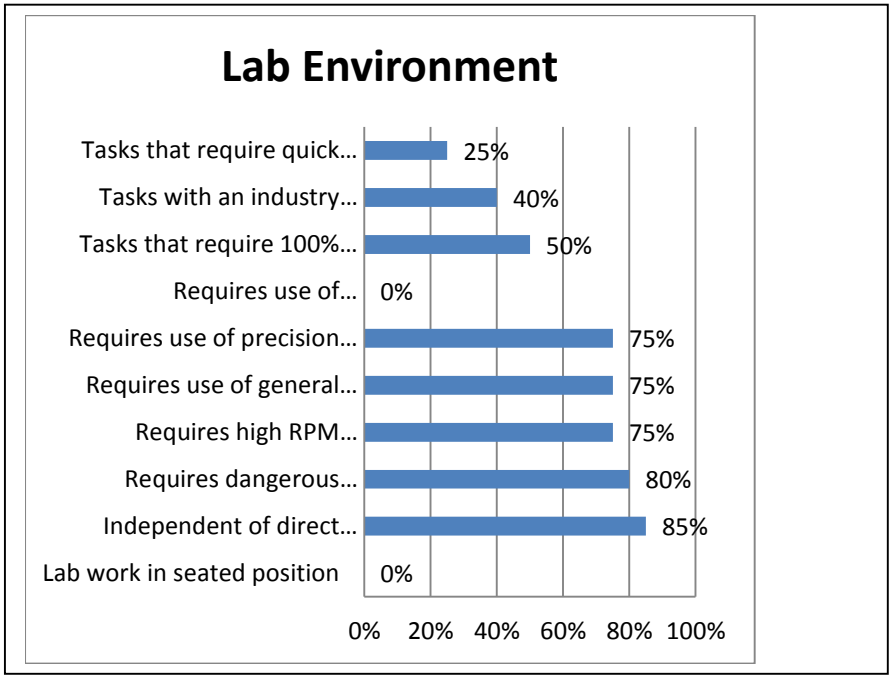


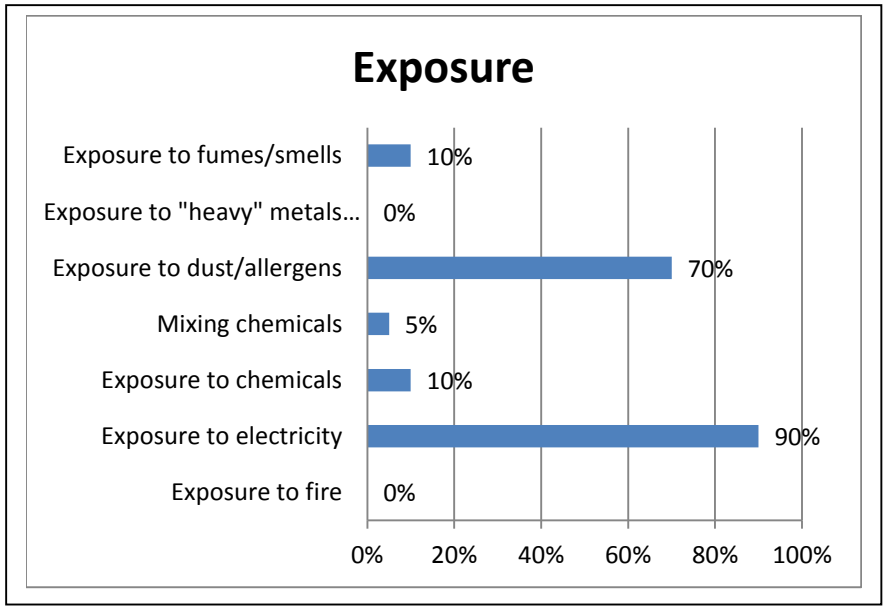
Print 48.0703
Program Index
SR2CTC Checklist

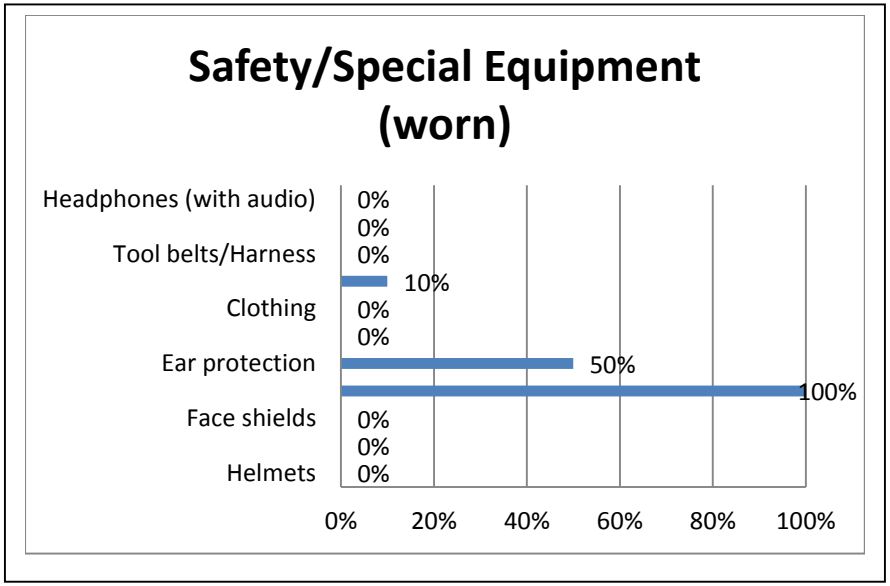
48.0703 Cabinetmaking and Millwork – POS

© 2014 Indiana County Technology Center

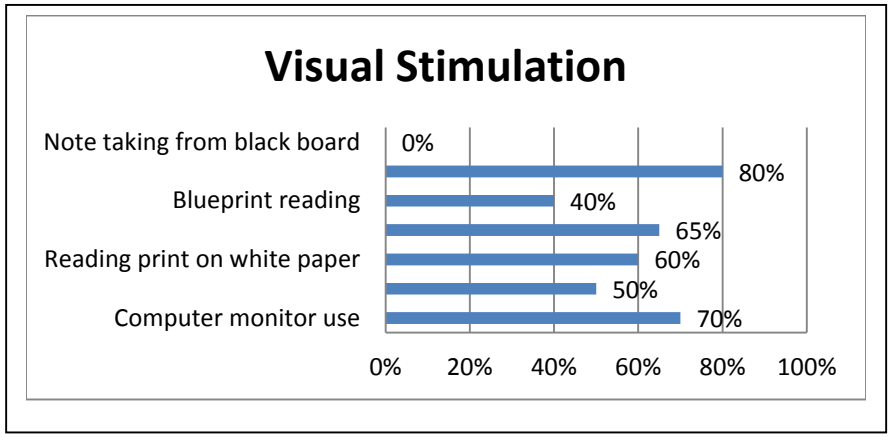


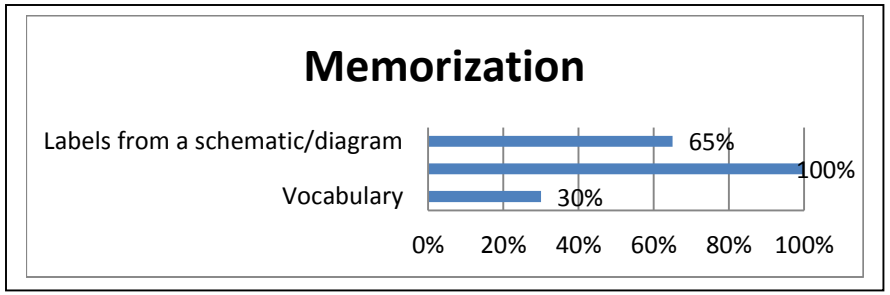


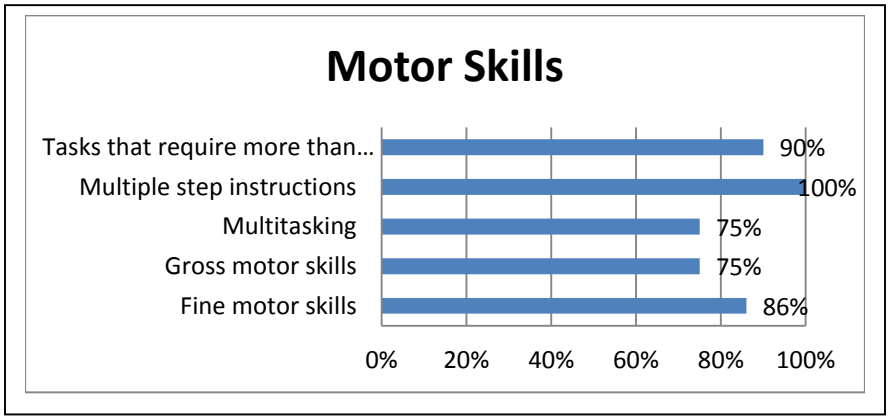


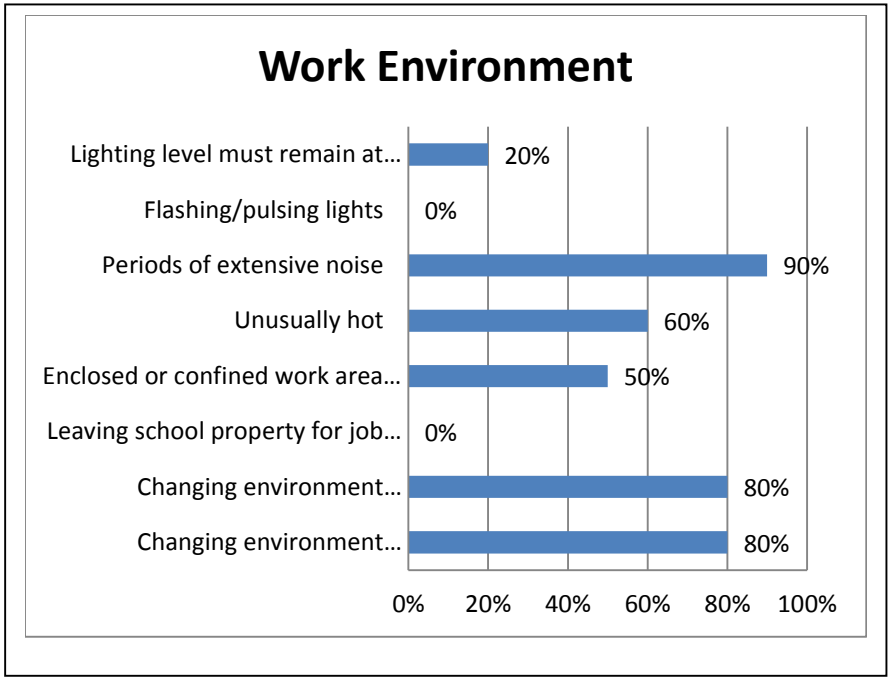


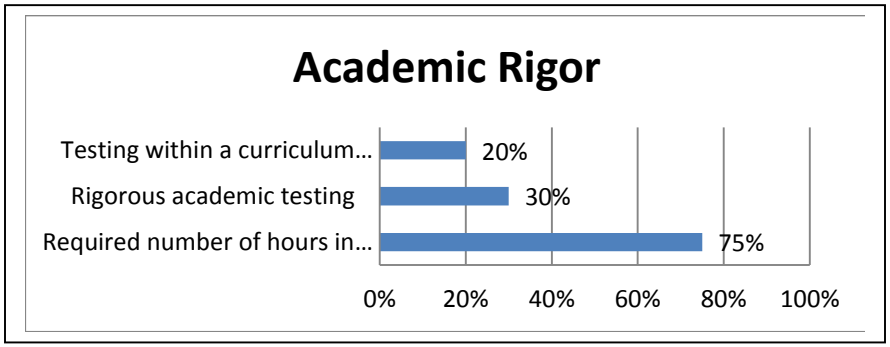
© 2014 Indiana County Technology Center







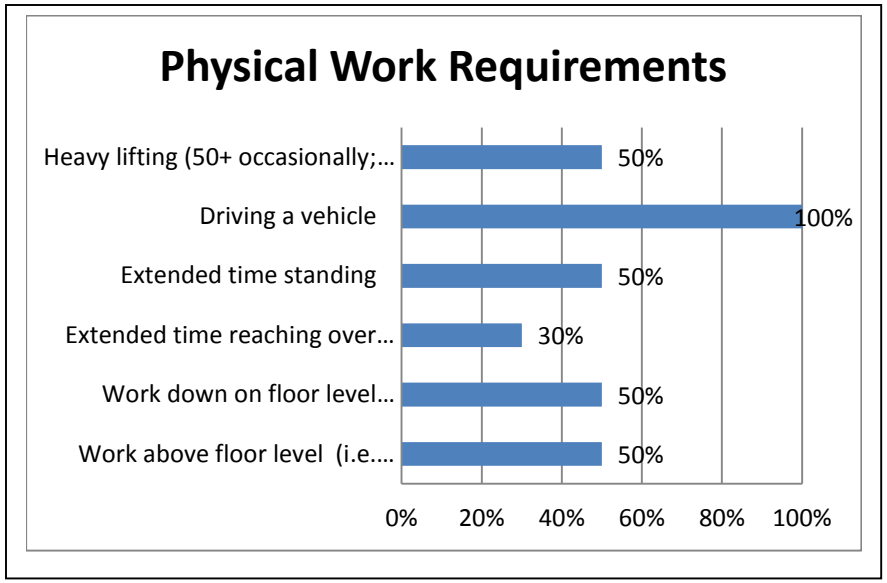


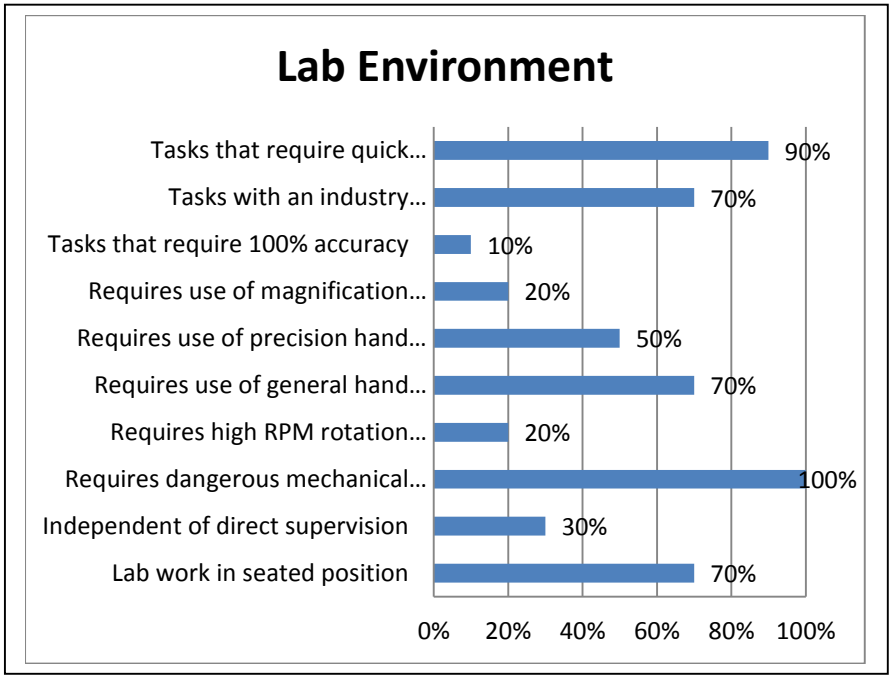


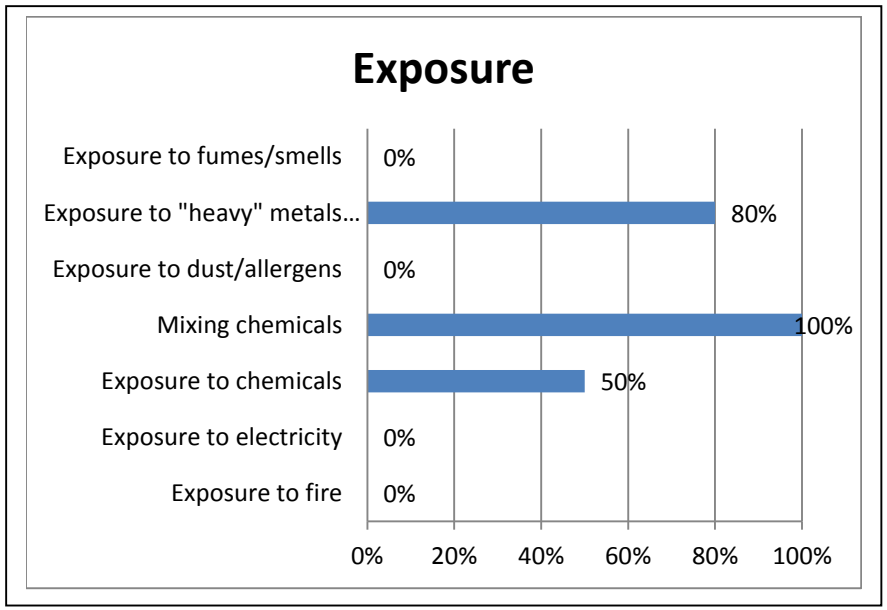
Print 49.0202
Program Index
SR2CTC Checklist

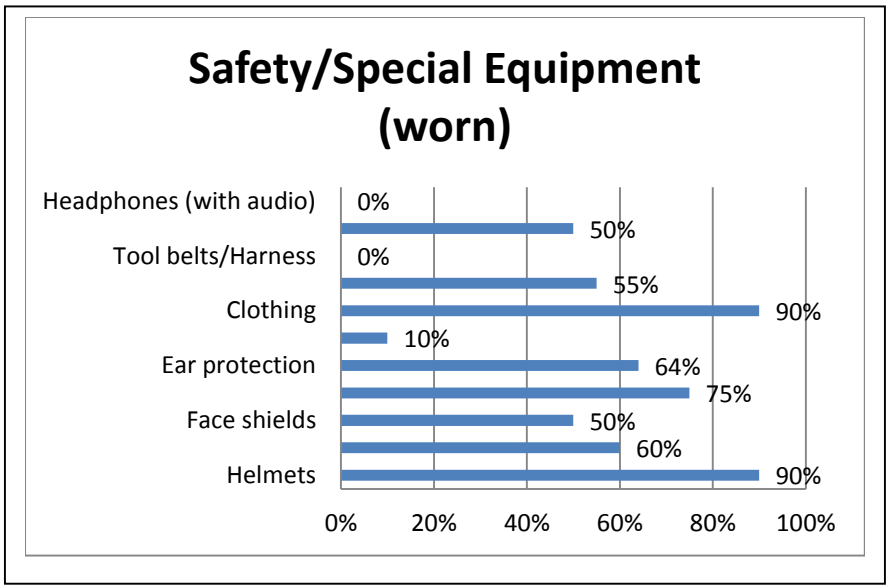
49.0202 Construction Heavy Equipment – TP

© 2014 Indiana County Technology Center

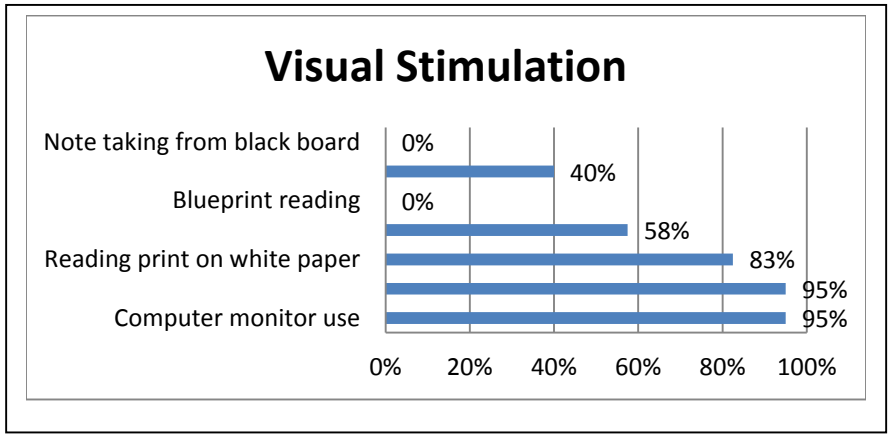


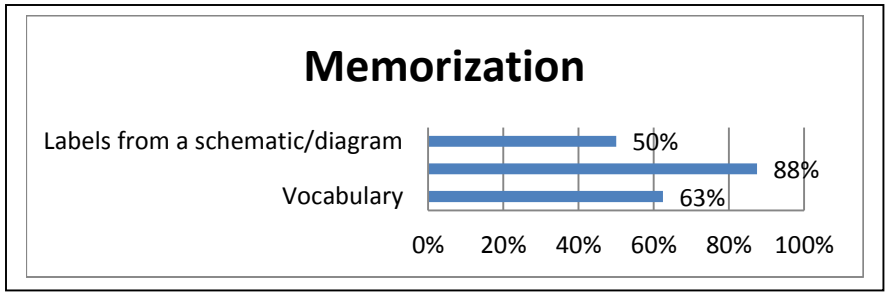


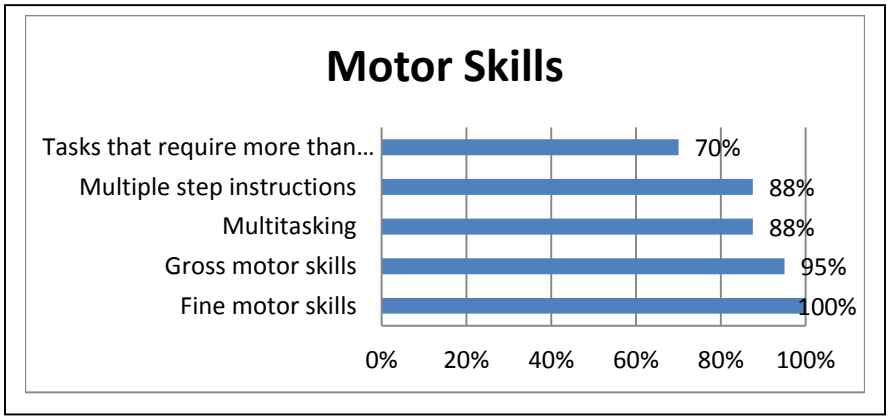


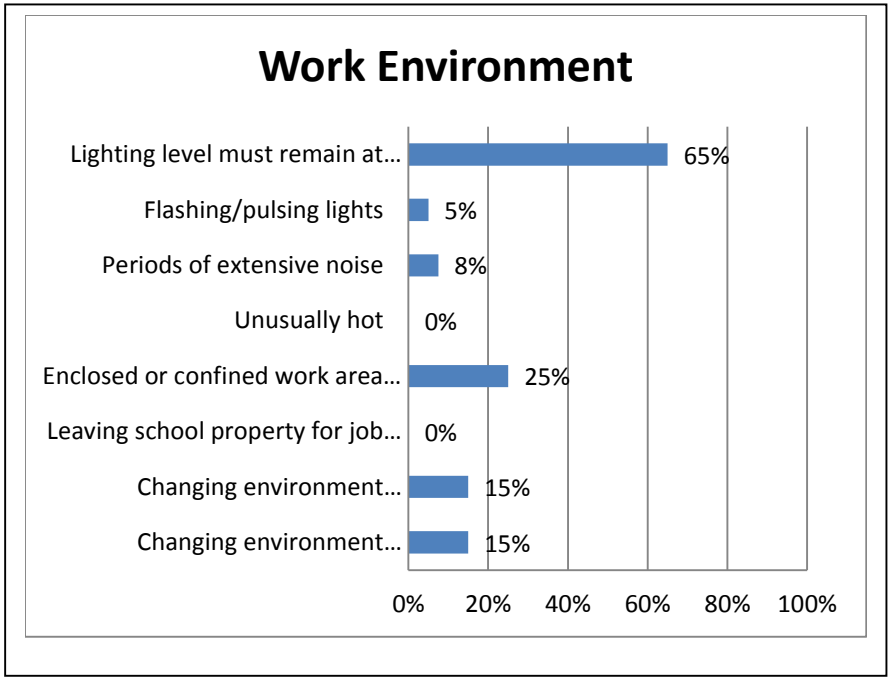


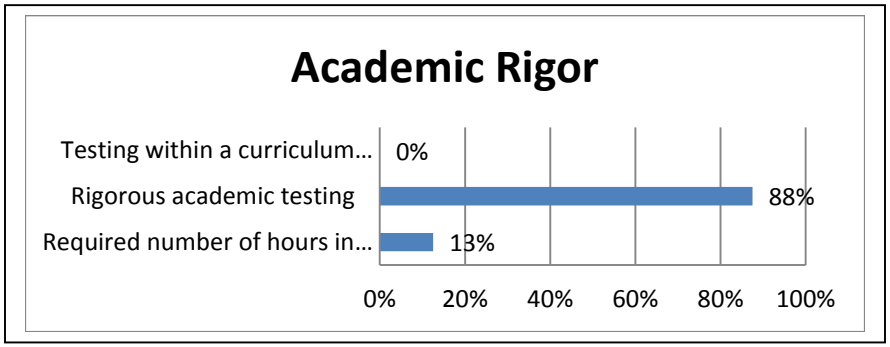
© 2014 Indiana County Technology Center







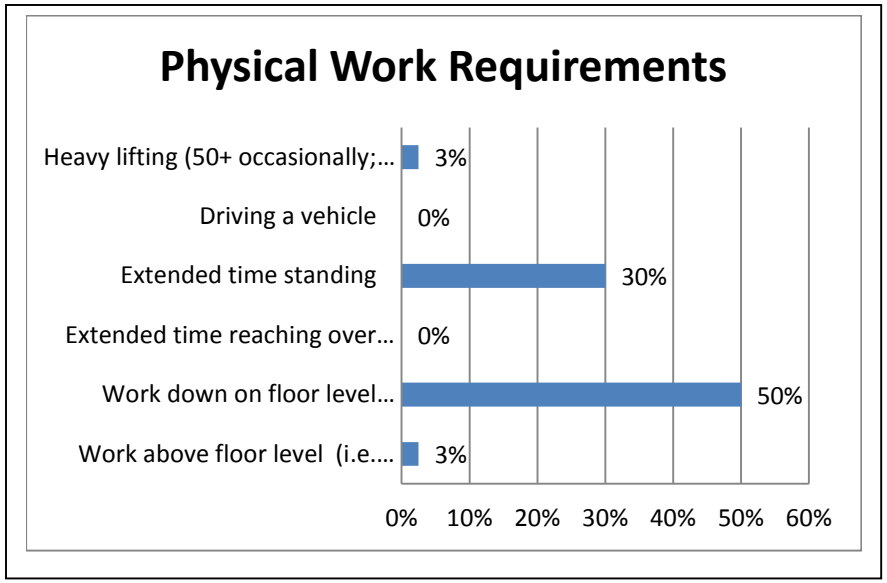


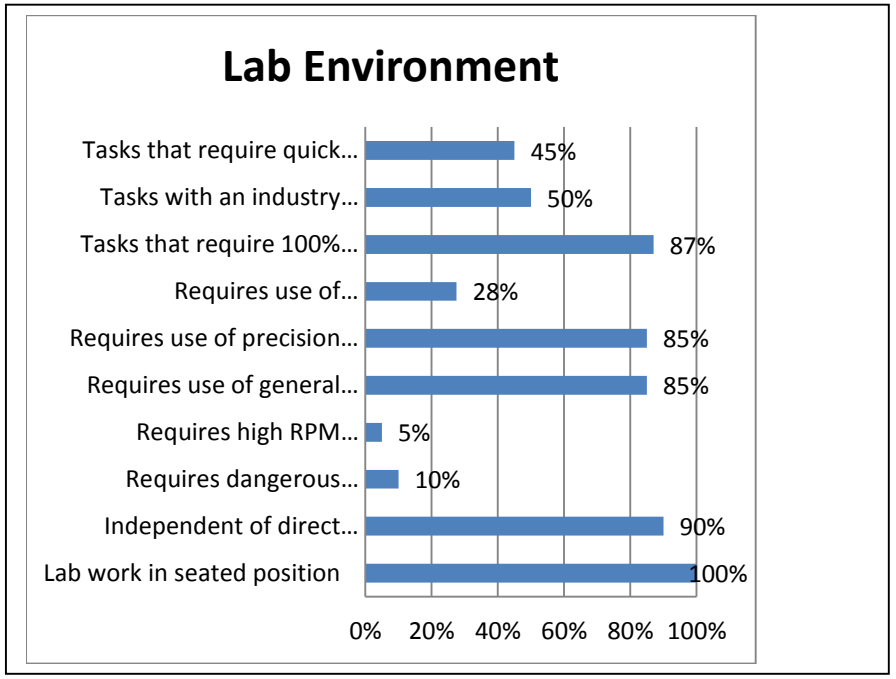


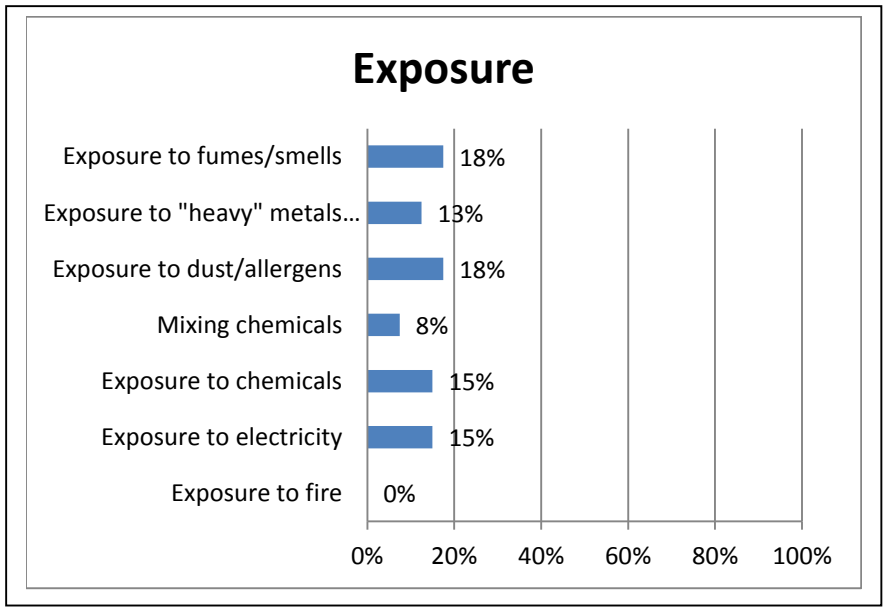
Print 50.0402
Program Index
SR2CTC Checklist

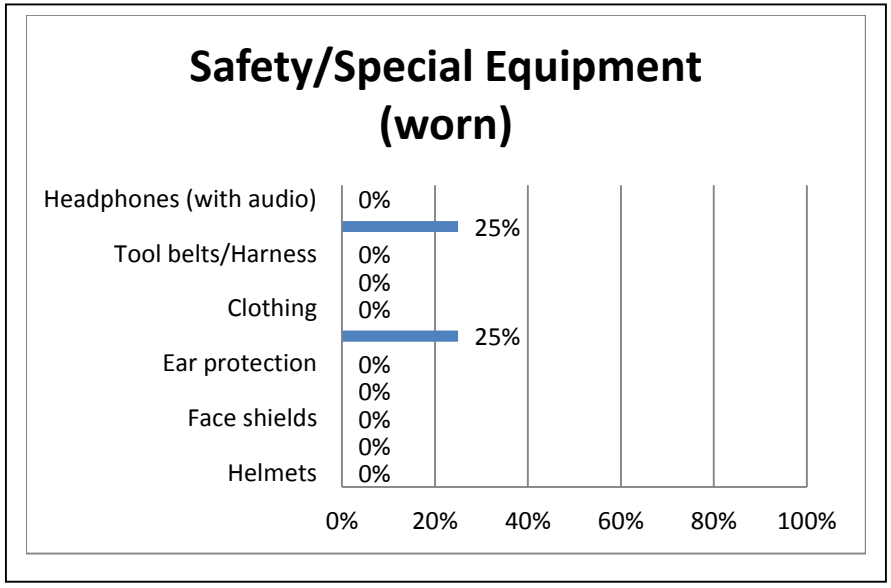
50.0402 Commercial and Advertising Art – POS

© 2014 Indiana County Technology Center

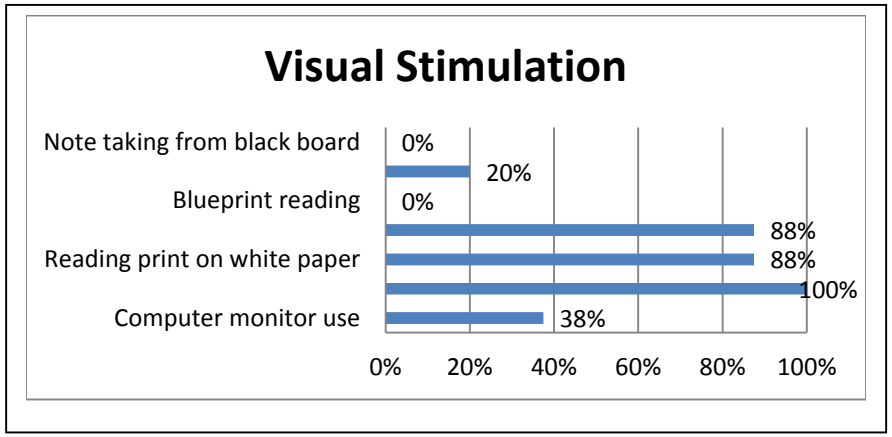


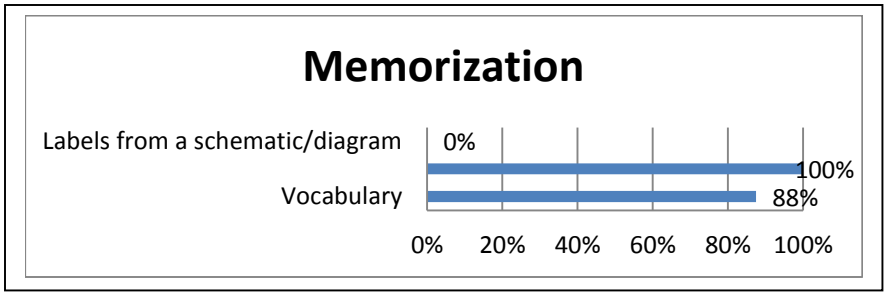


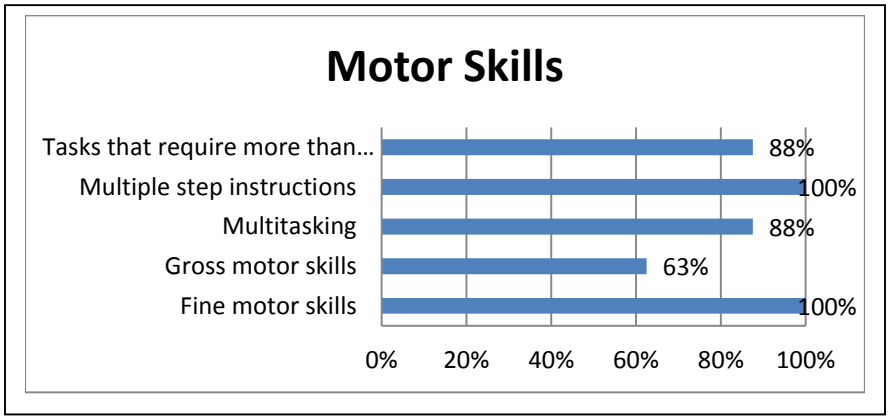


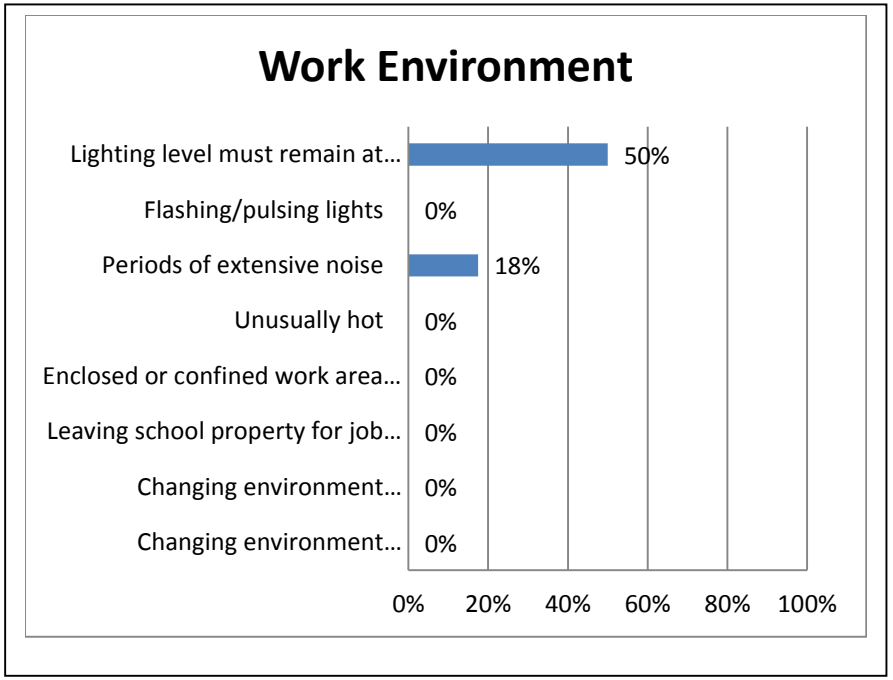


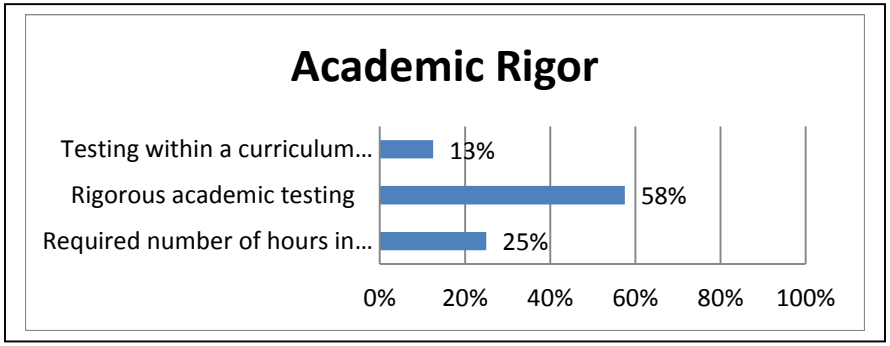
© 2014 Indiana County Technology Center







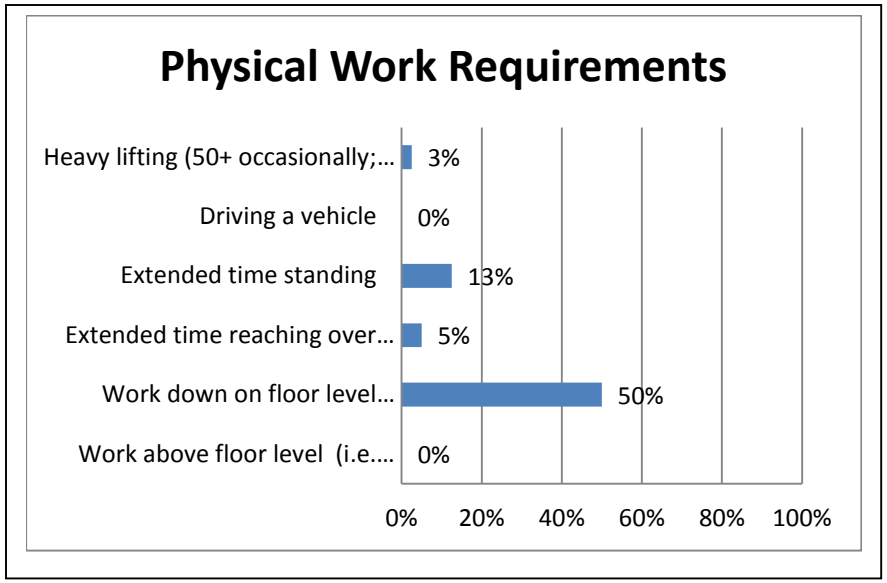


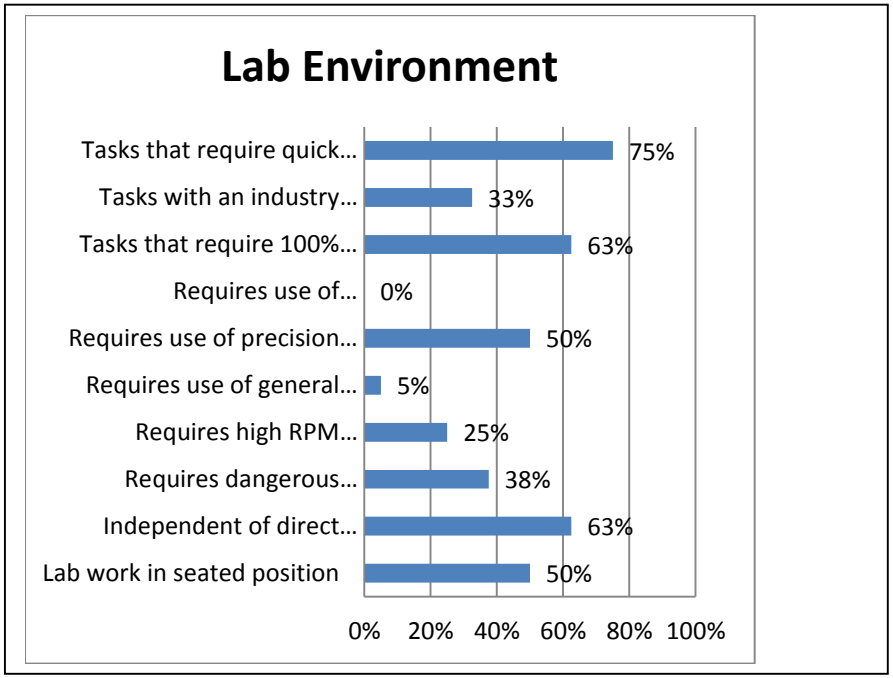


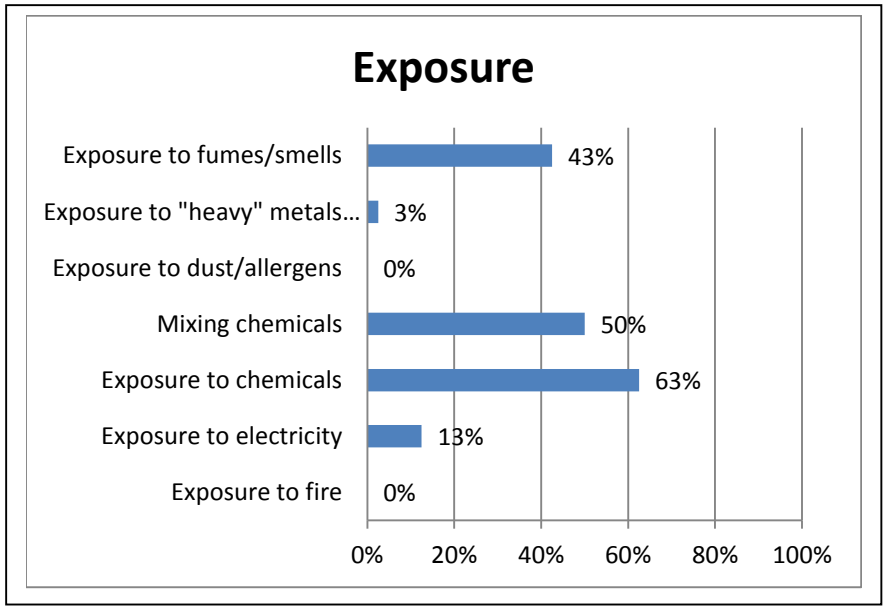
Print 51.0601
Program Index
SR2CTC Checklist

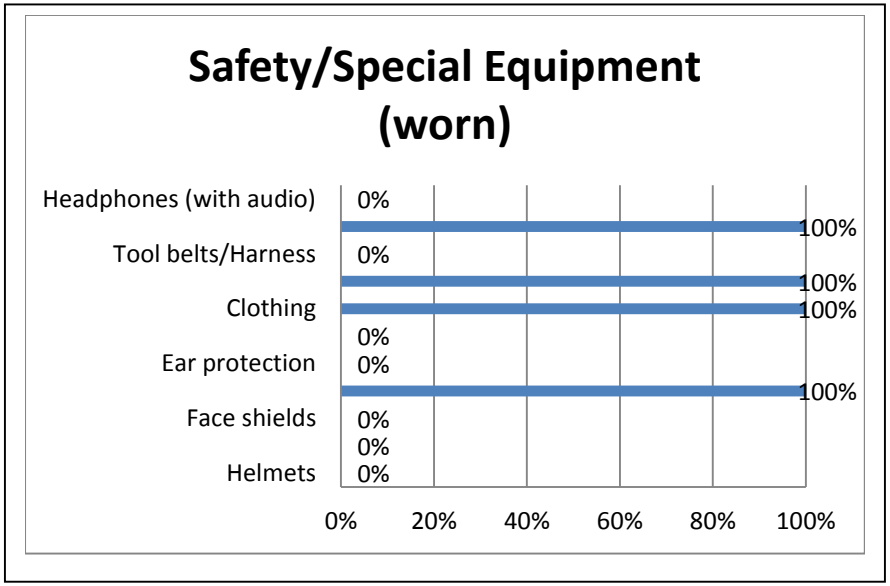
51.0601 Dental Assisting – POS

© 2014 Indiana County Technology Center

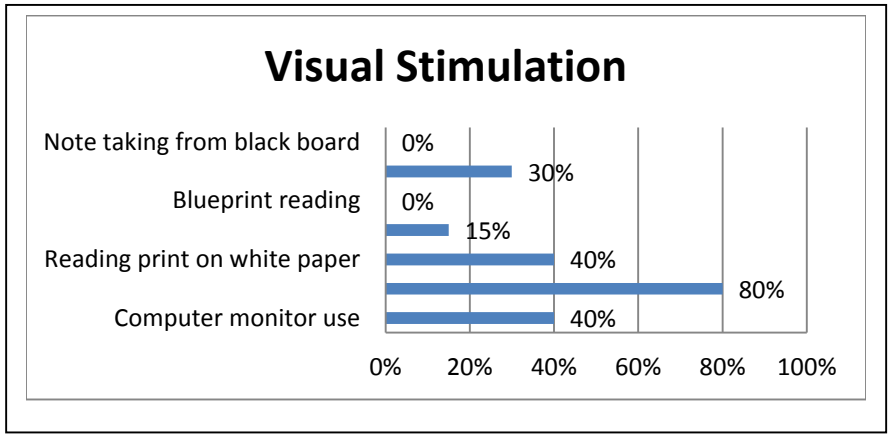


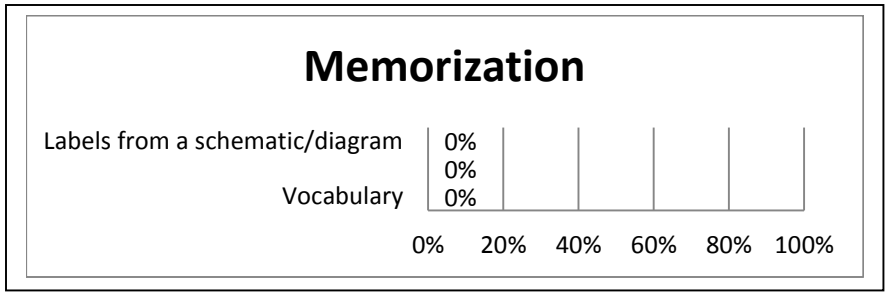


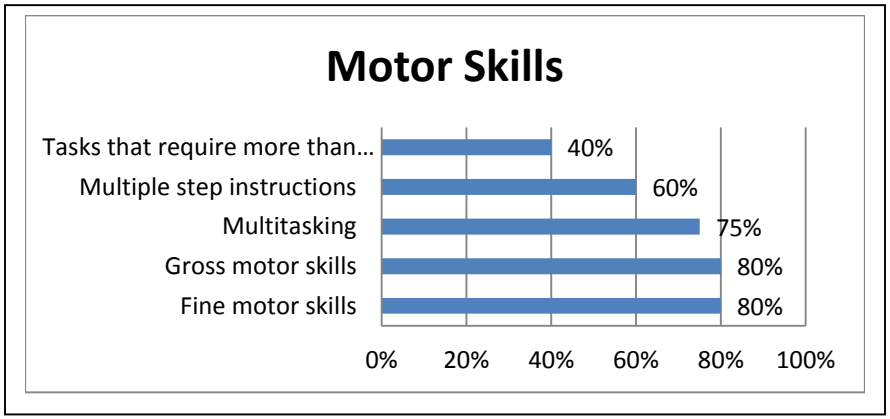


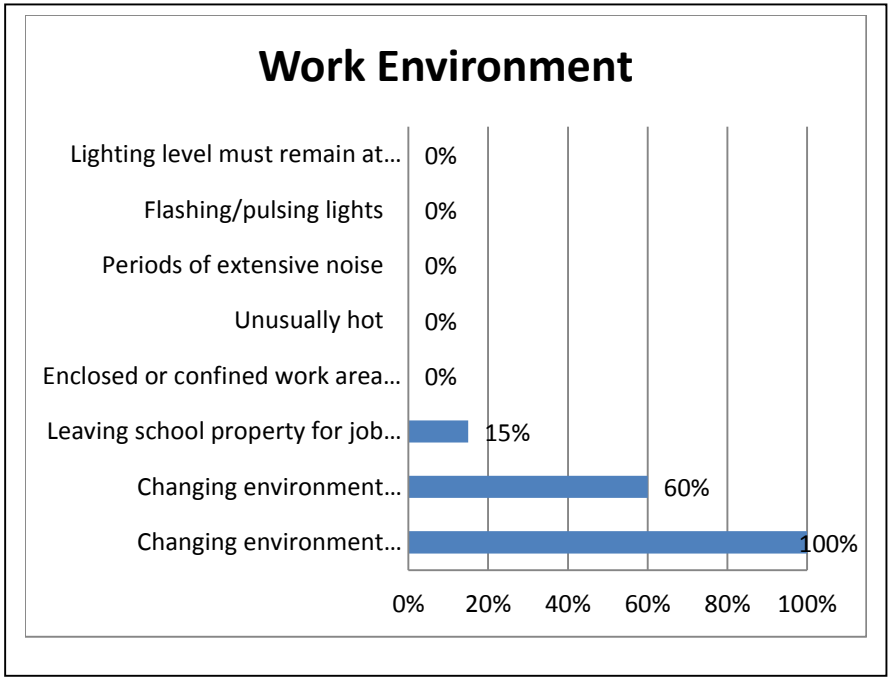


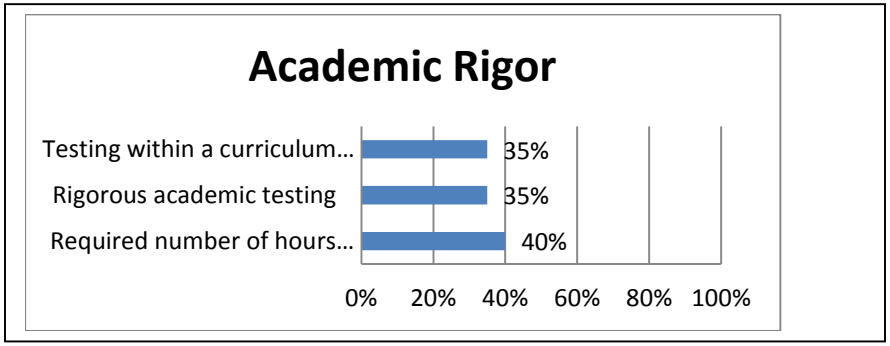
© 2014 Indiana County Technology Center







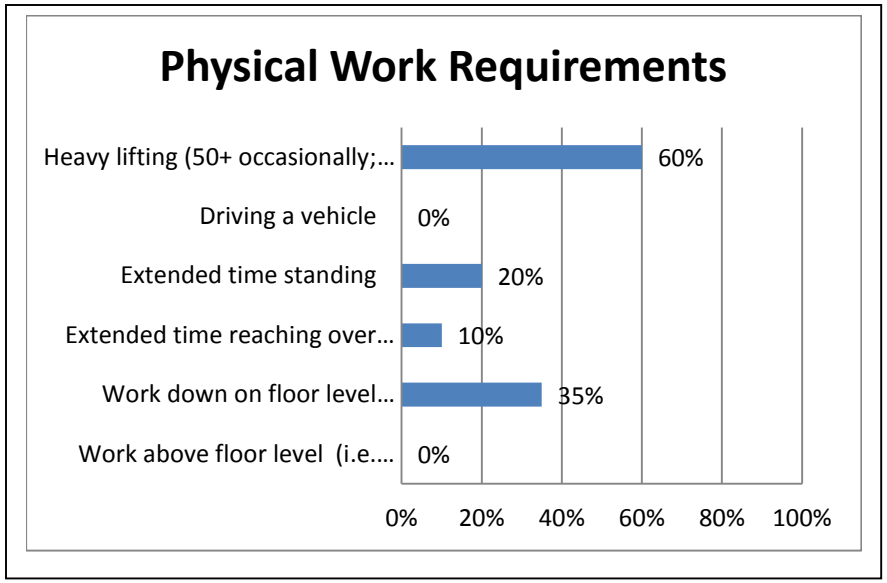


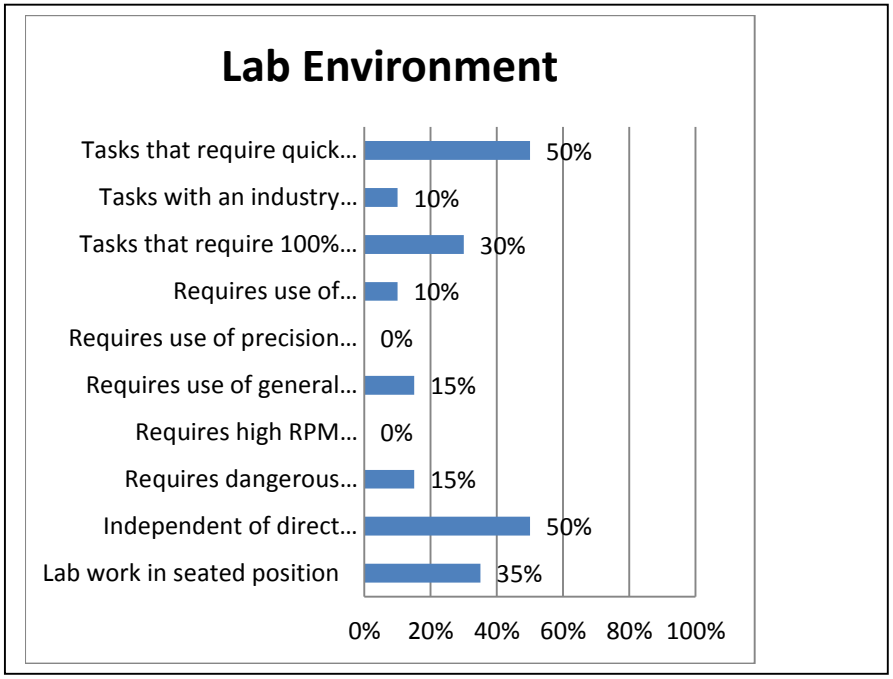


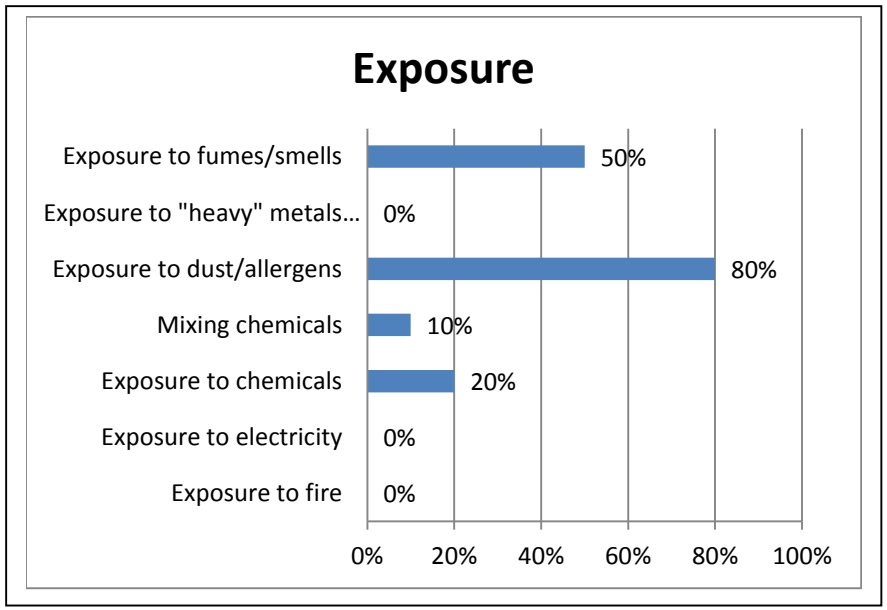
Print 51.0808
Program Index
SR2CTC Checklist

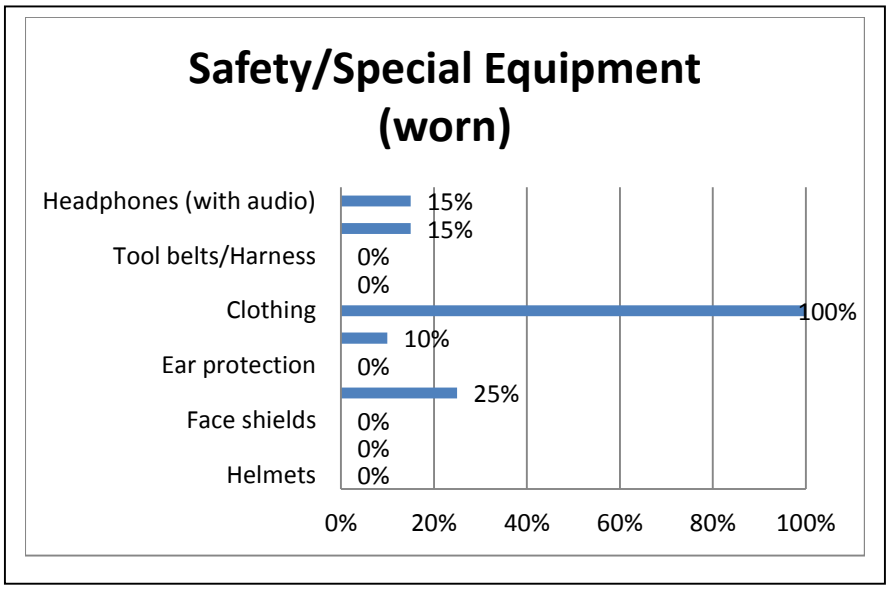
51.0808 Veterinary Animal Health Technology – TP

© 2014 Indiana County Technology Center

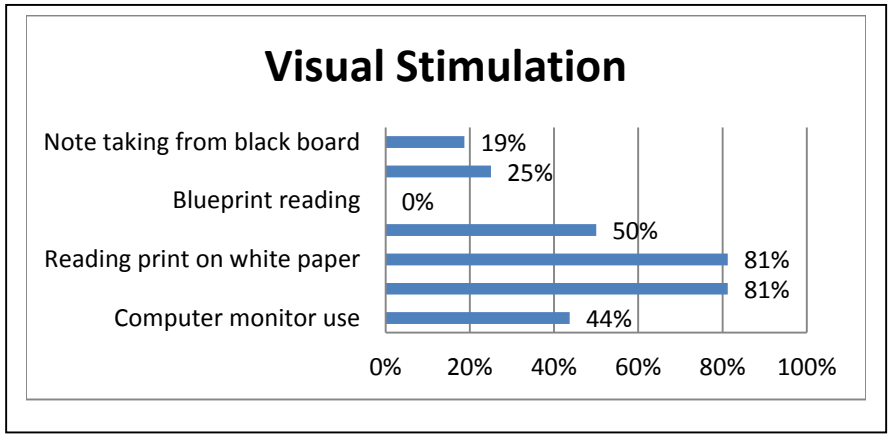


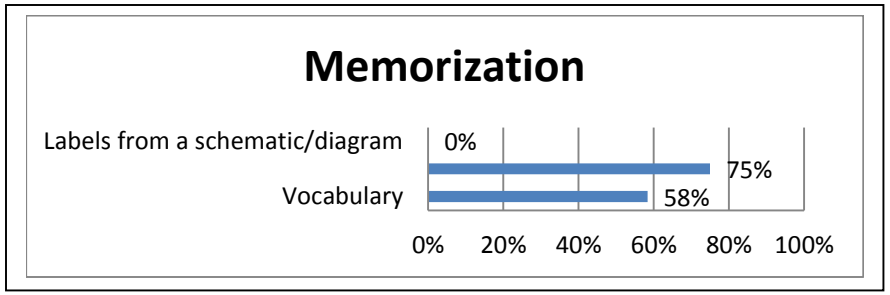


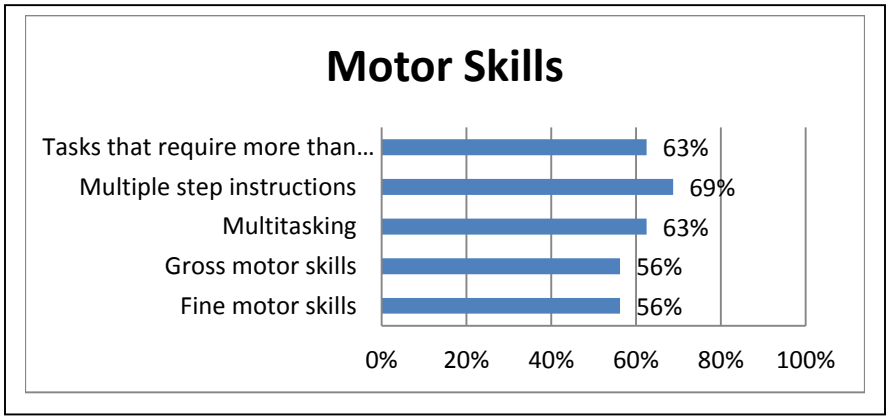


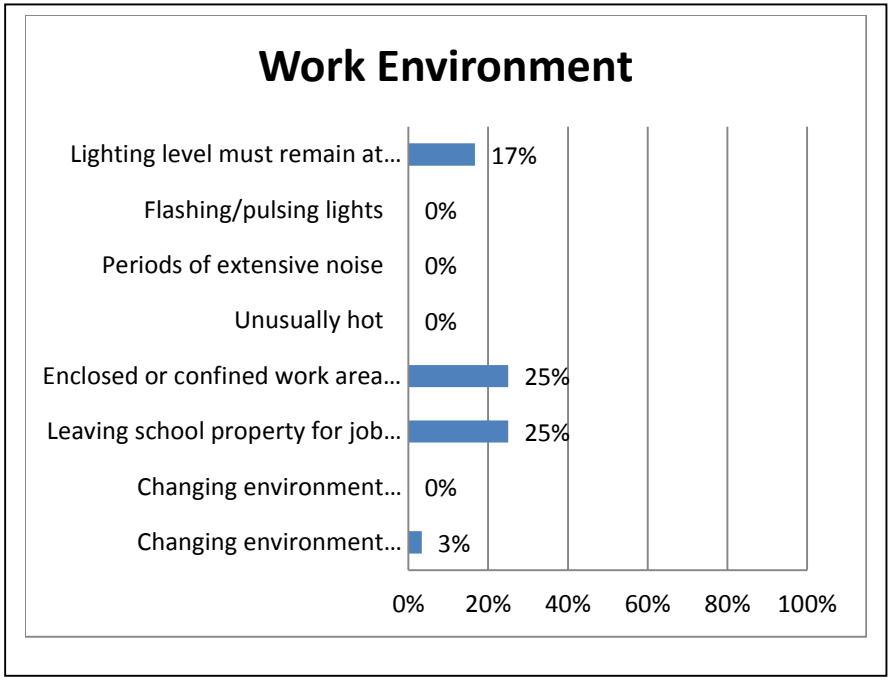


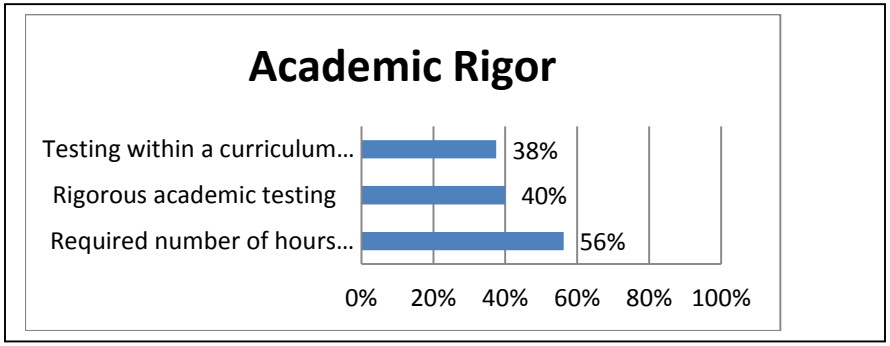
© 2014 Indiana County Technology Center







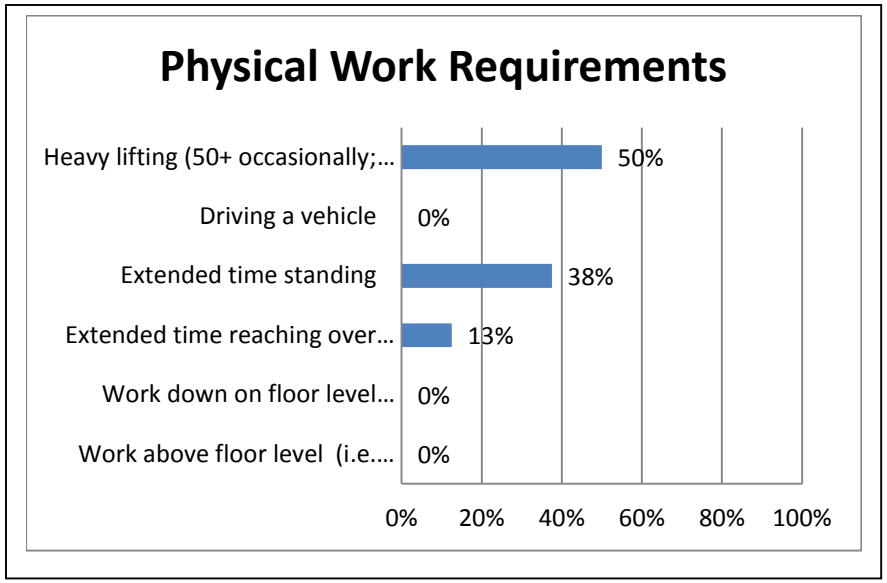


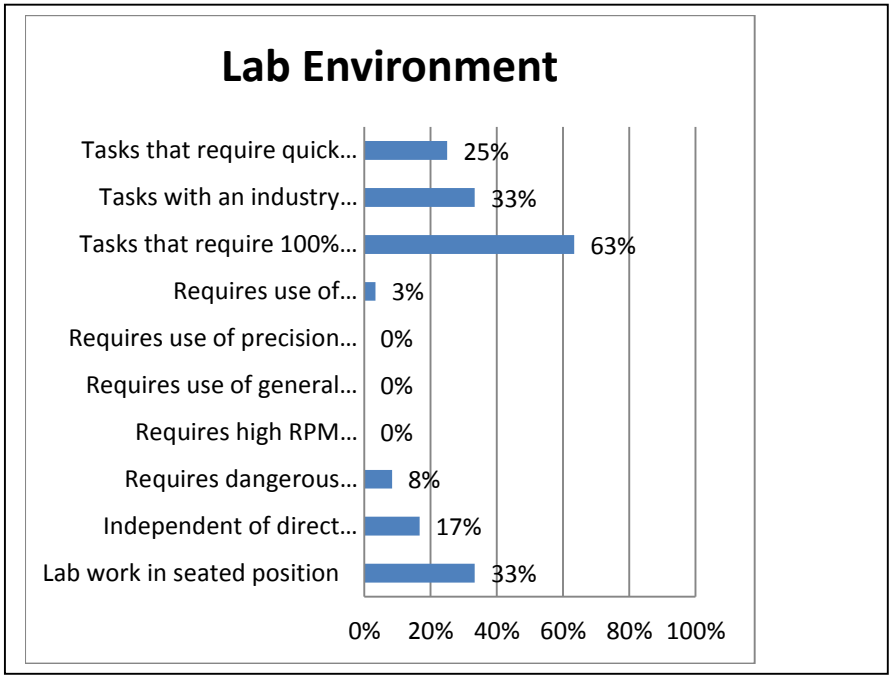


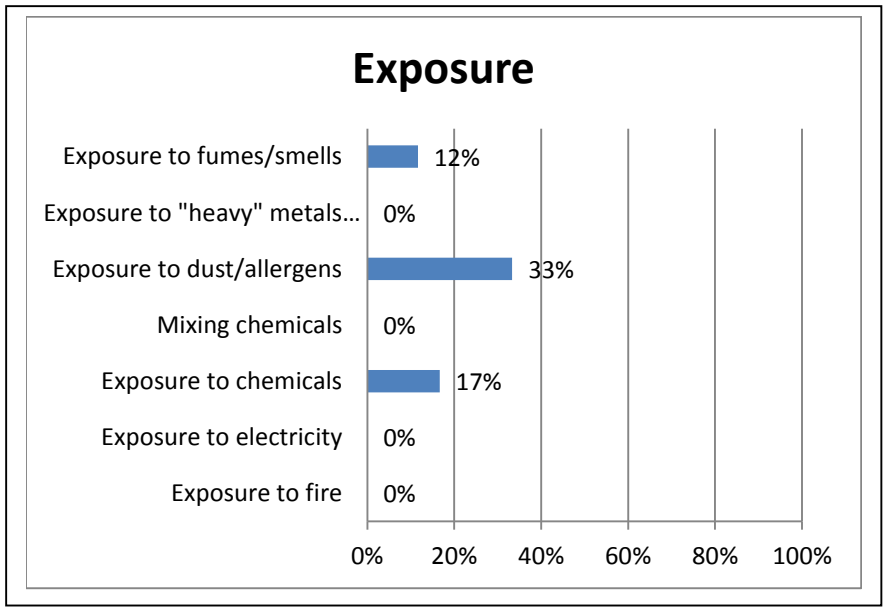
Print 51.0899
Program Index
SR2CTC Checklist

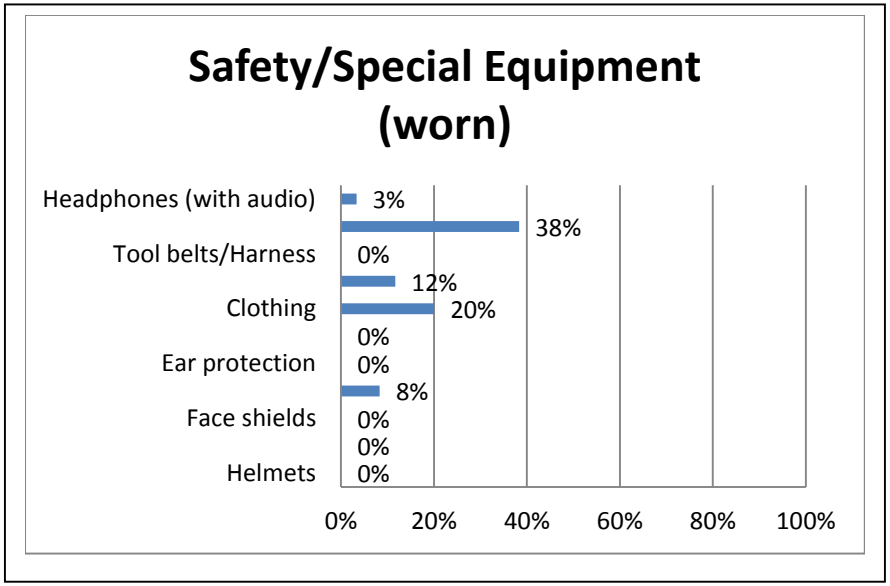
51.0899 Health/Medical Assisting Services – POS

© 2014 Indiana County Technology Center

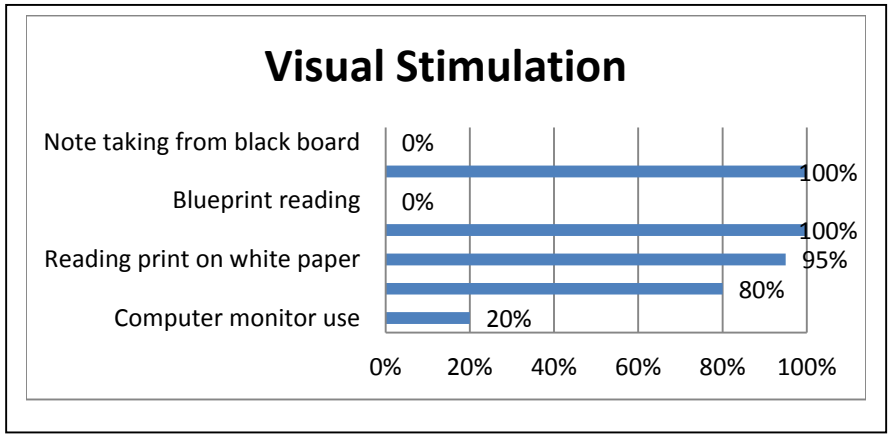


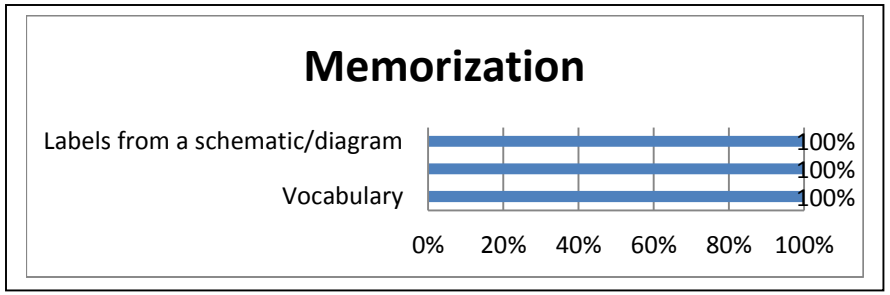


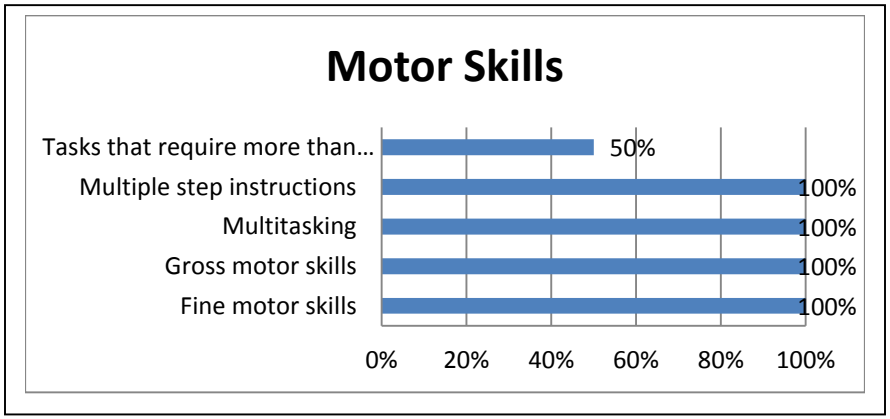


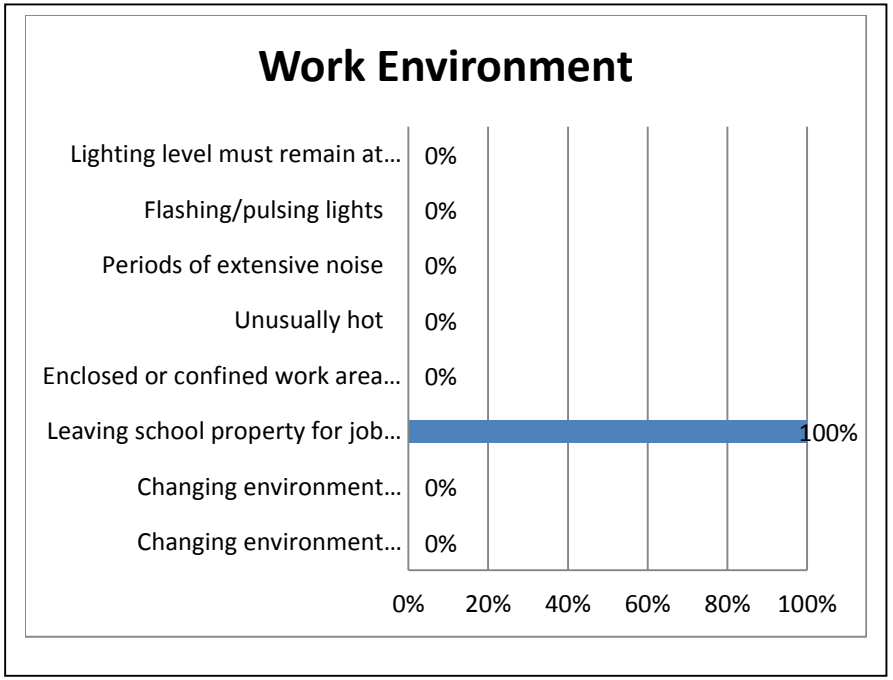


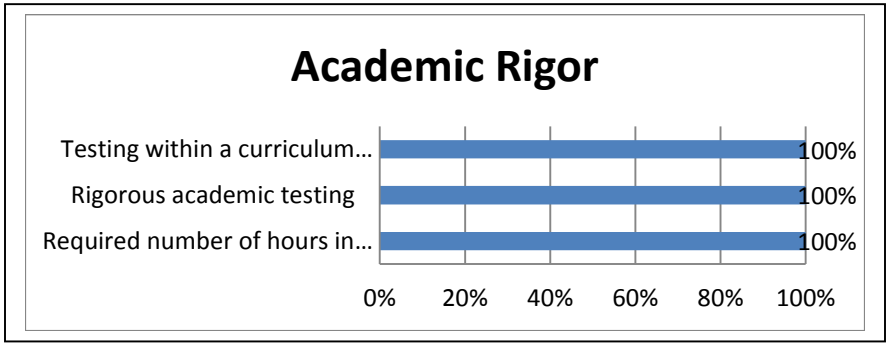
© 2014 Indiana County Technology Center







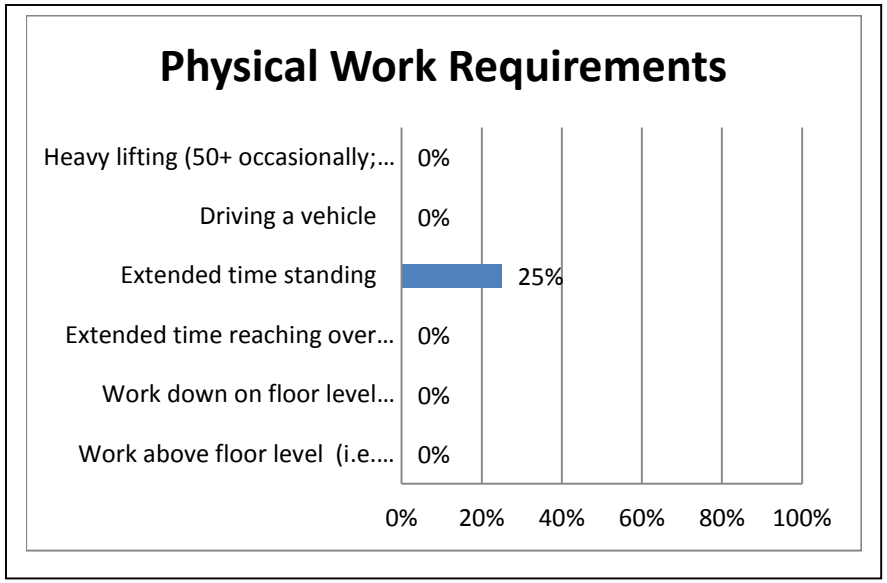


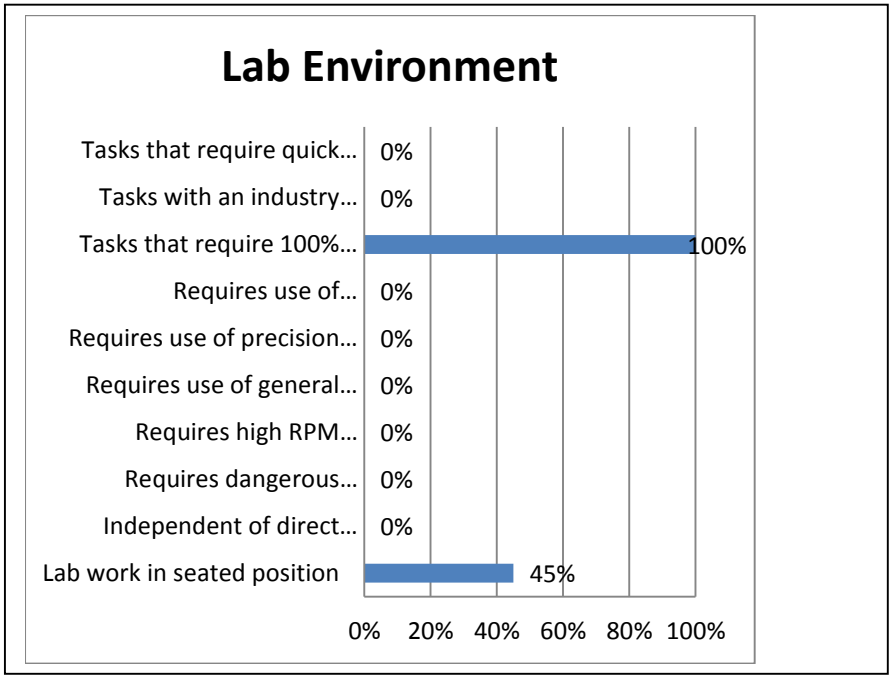


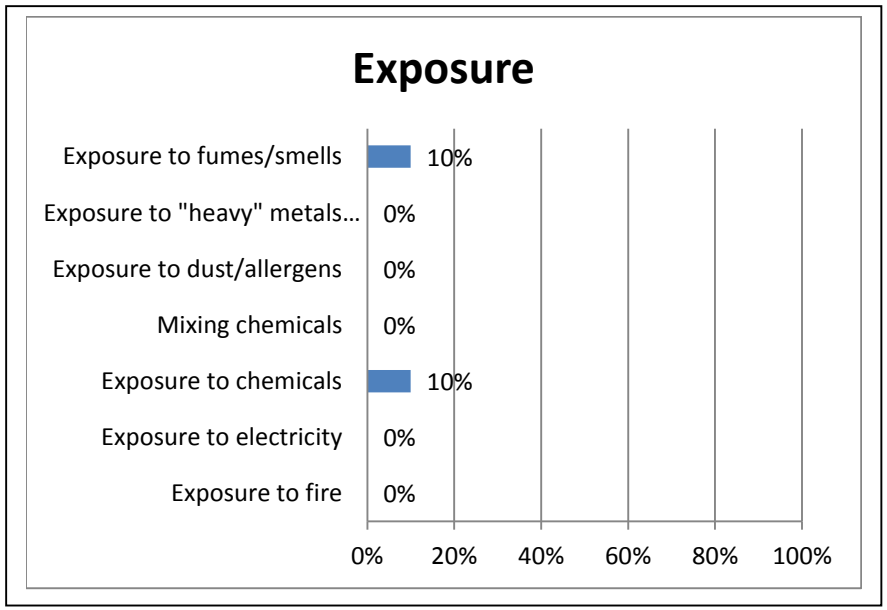
Print 51.9999
Program Index
SR2CTC Checklist

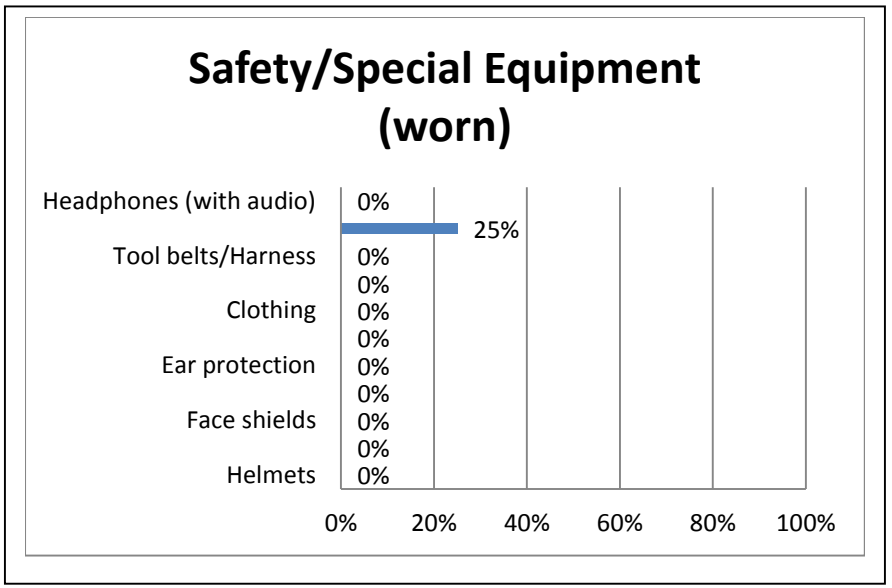
51.9999 Health Care Technology – POS

© 2014 Indiana County Technology Center

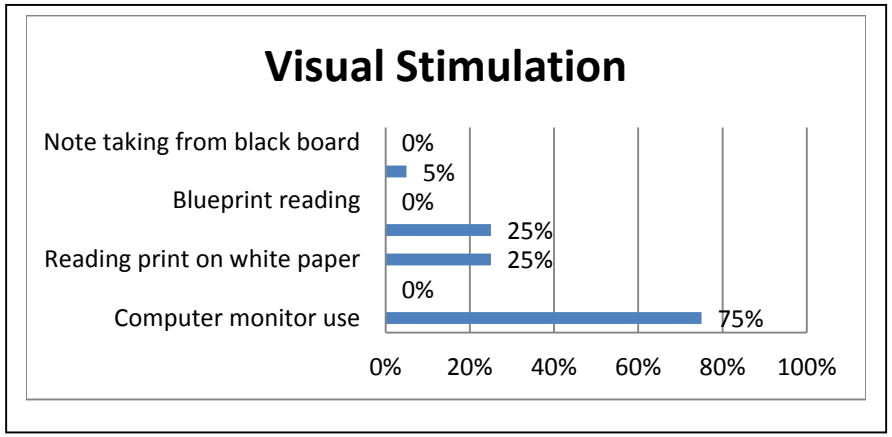


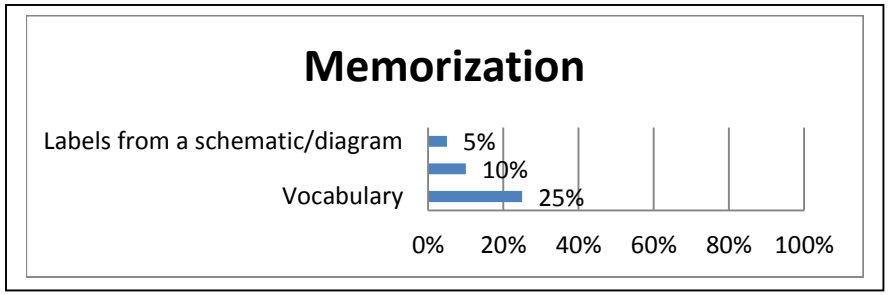


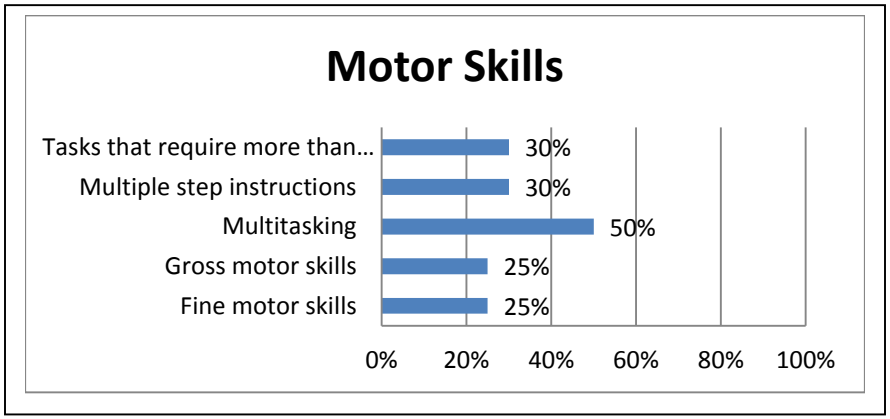


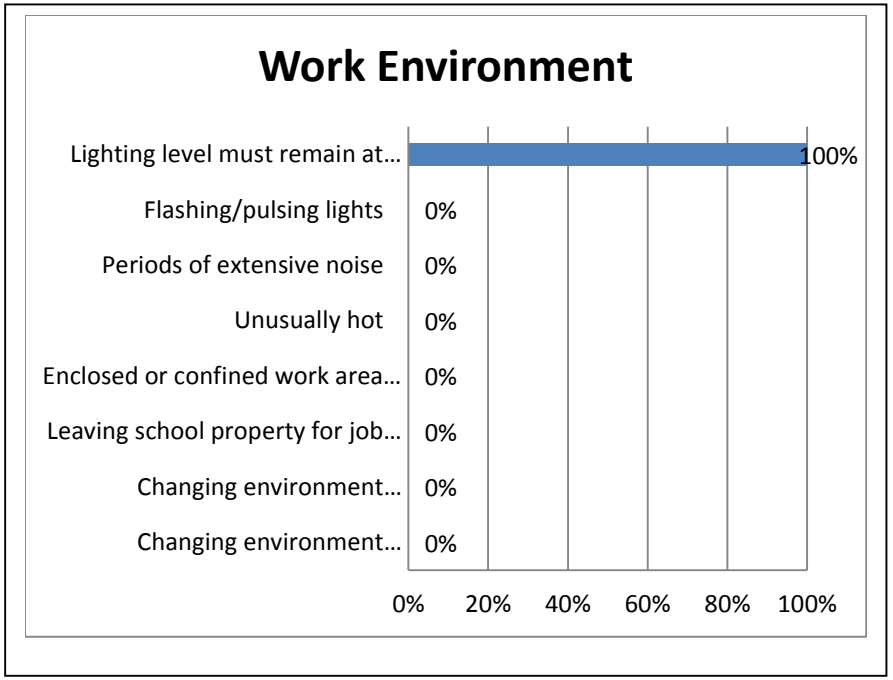


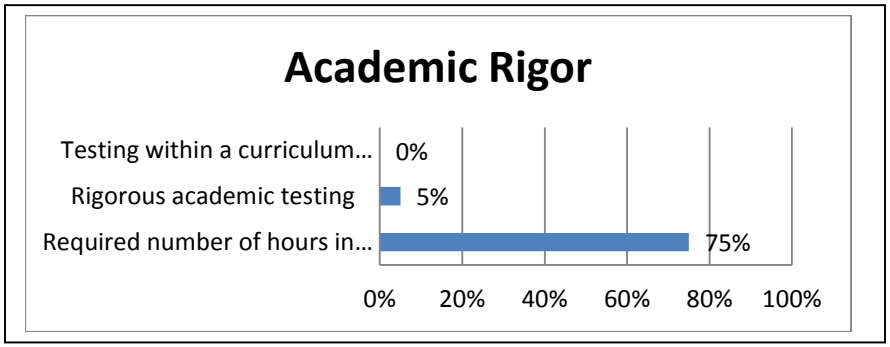
© 2014 Indiana County Technology Center







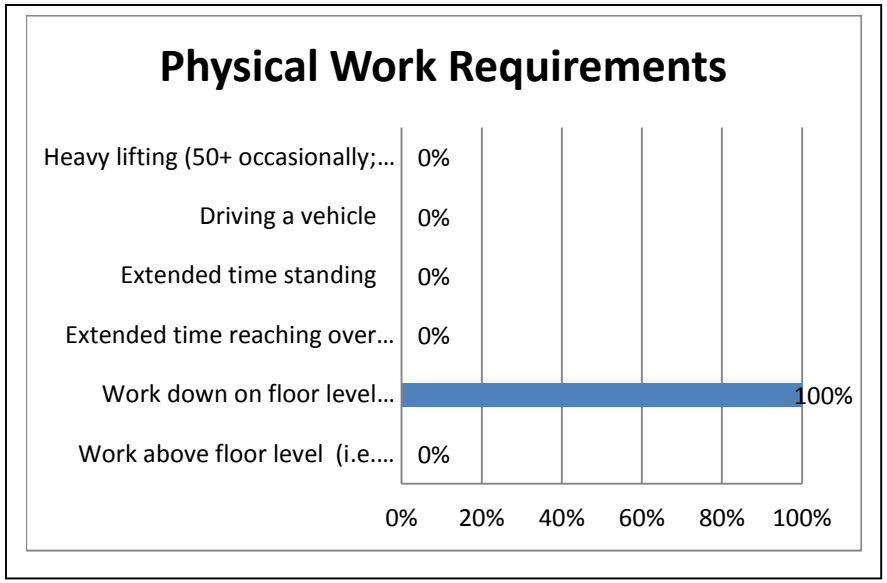


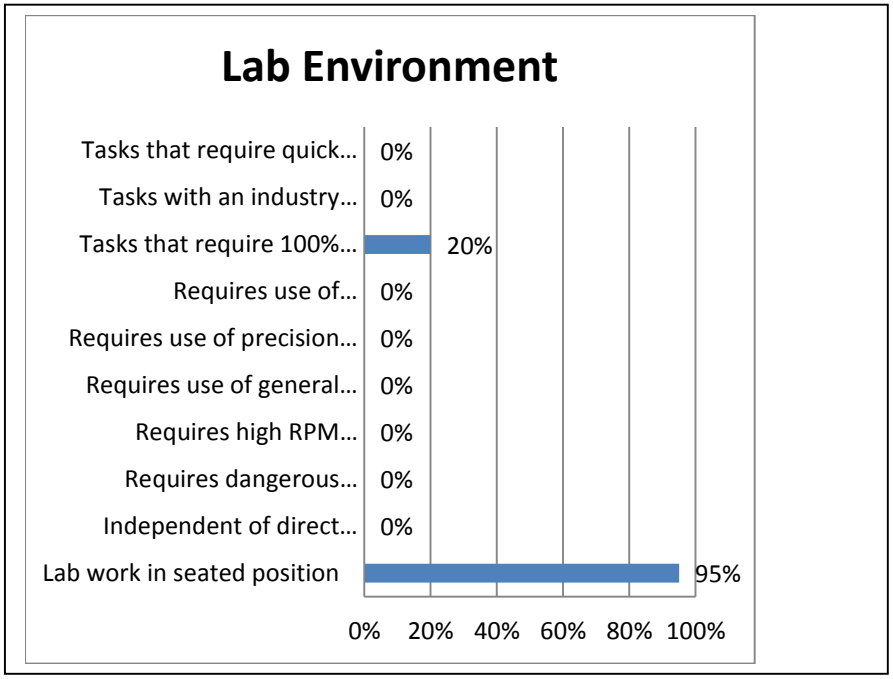


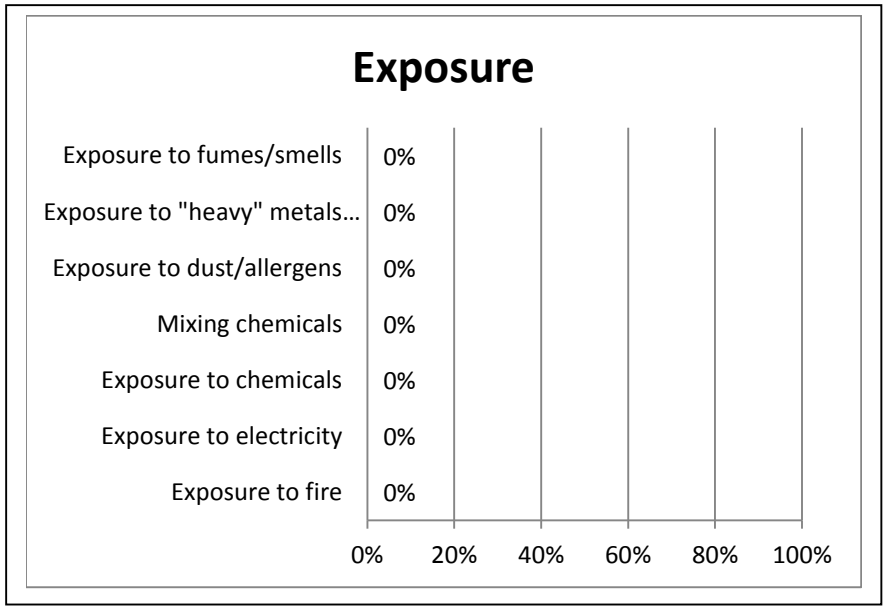
Print 52.0401
Program Index
SR2CTC Checklist

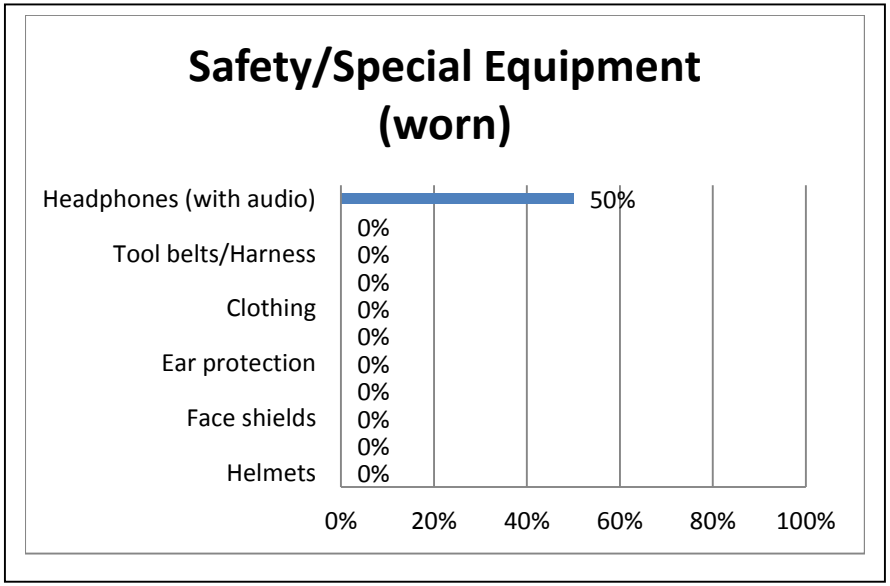
52.0401 Administrative Assistant – POS

© 2014 Indiana County Technology Center

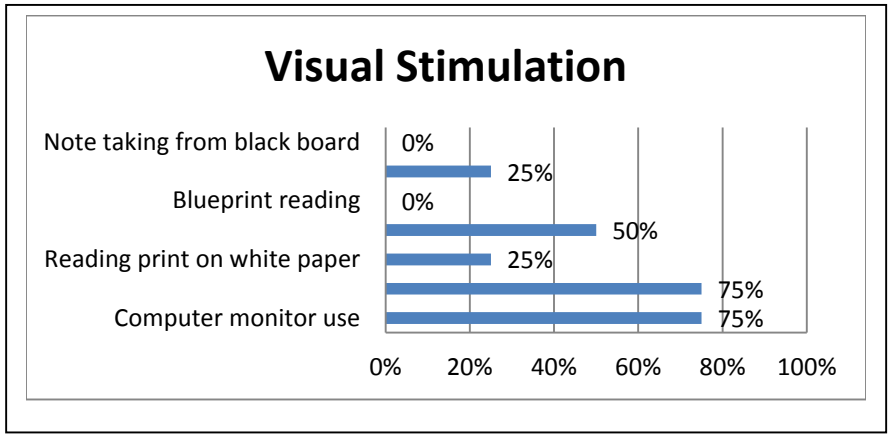


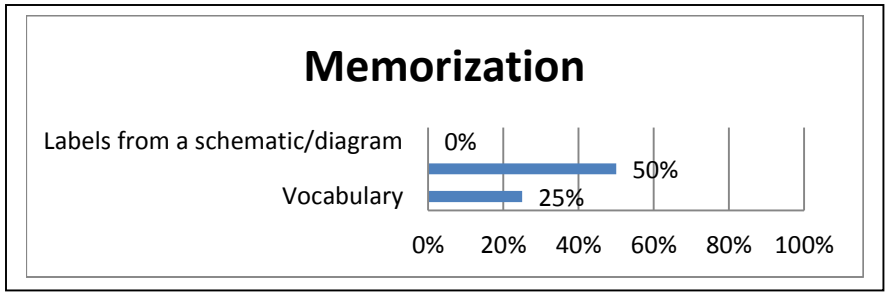


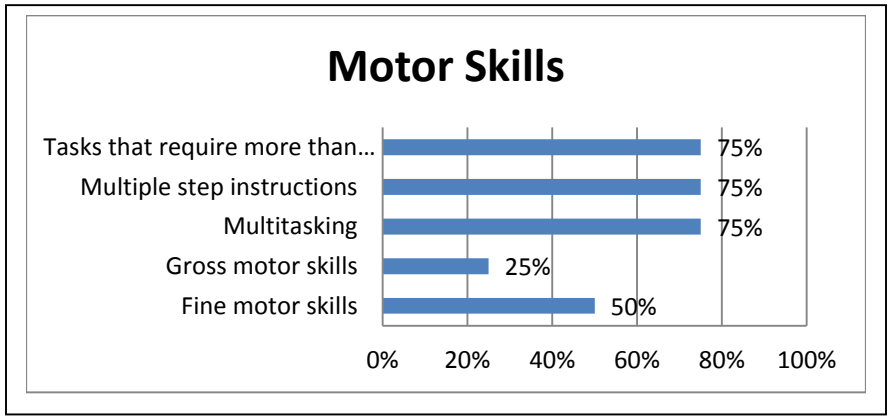


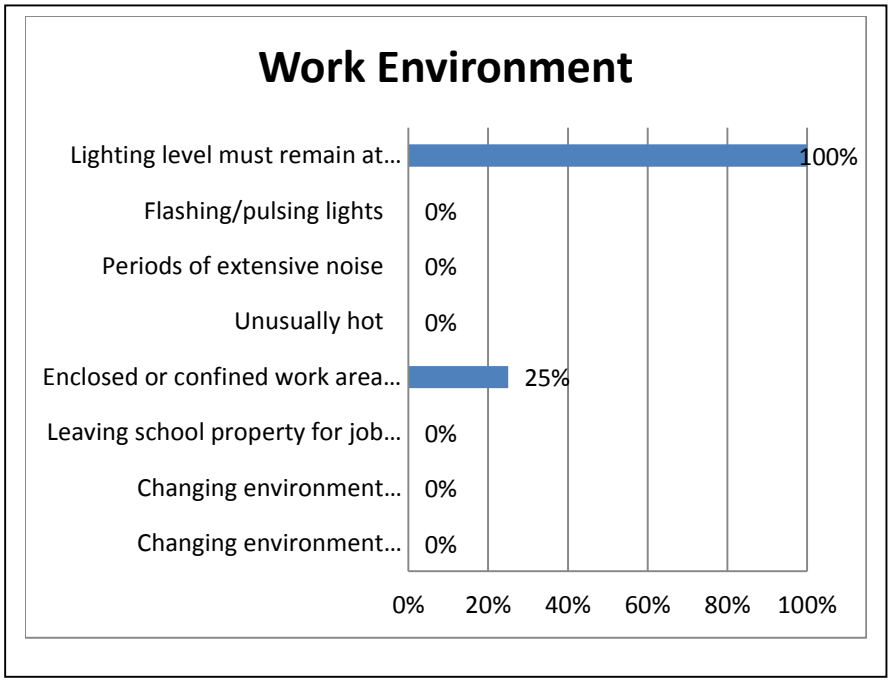


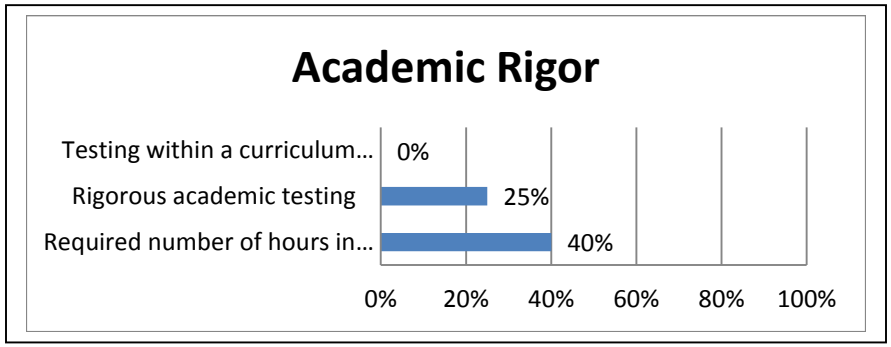
© 2014 Indiana County Technology Center







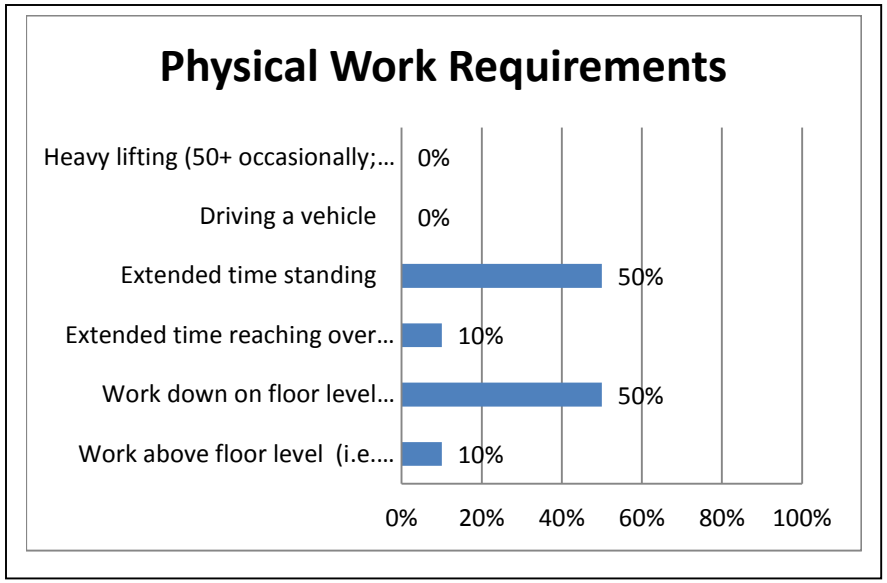


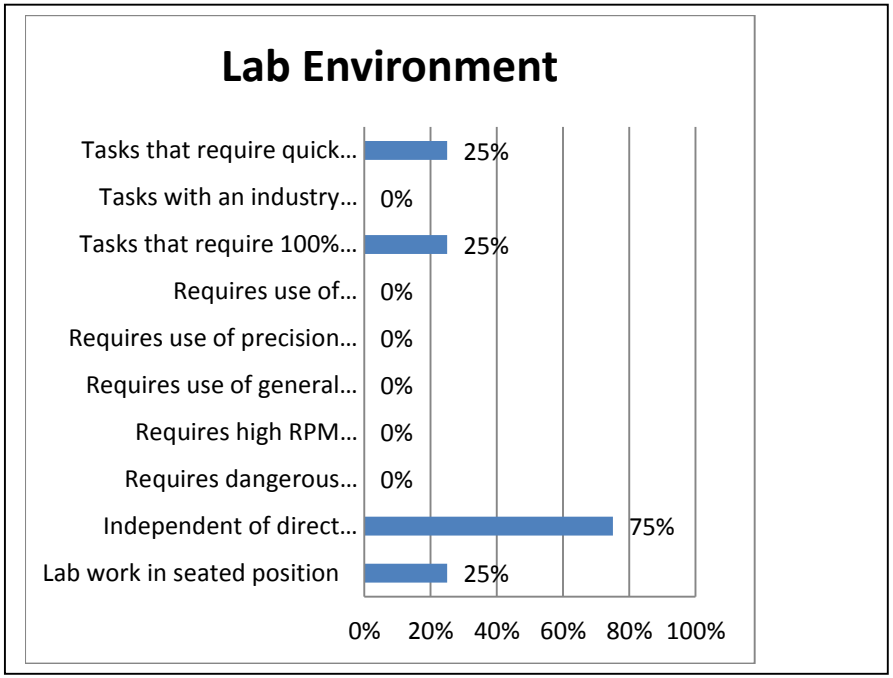


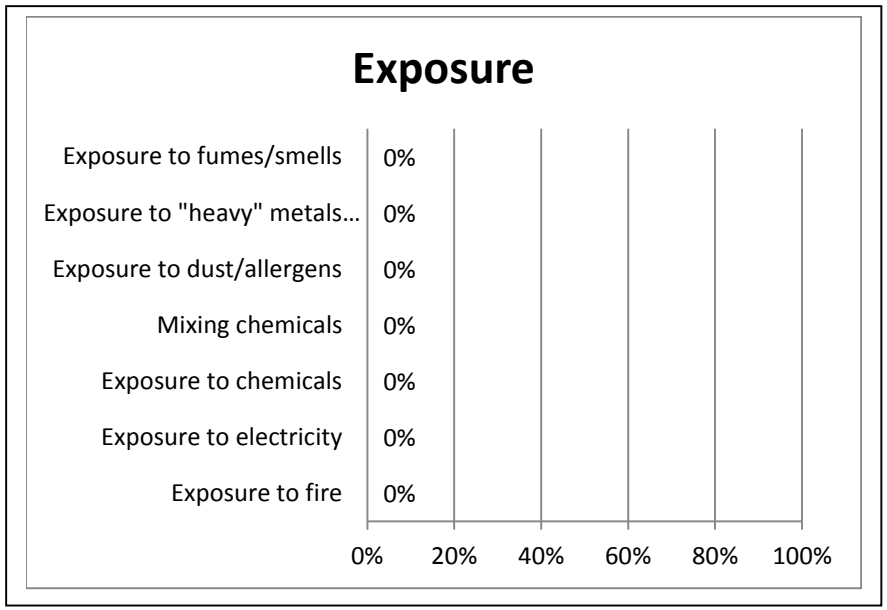
Print 52.1001
Program Index
SR2CTC Checklist

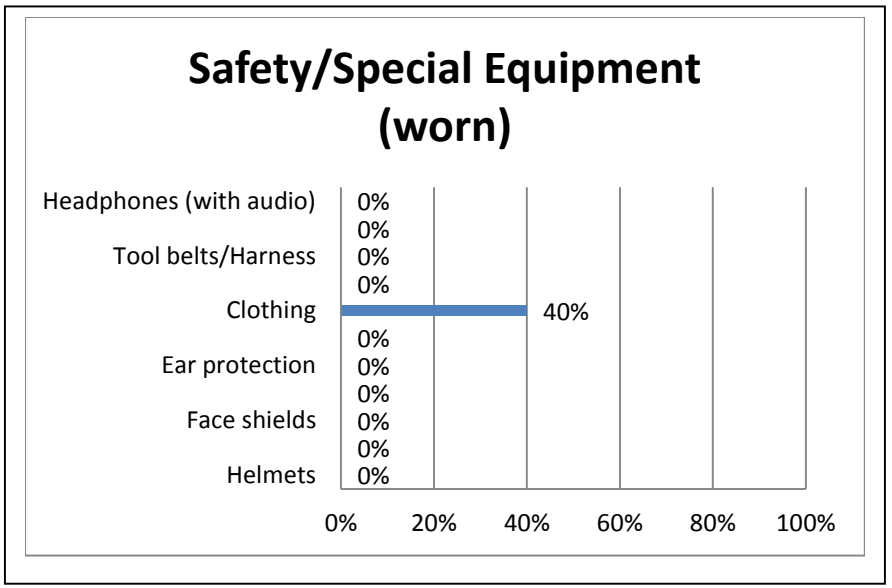
52.1801 Sales Distribution Marketing – POS

© 2014 Indiana County Technology Center









© 2014 Indiana County Technology Center

Indiana County Technology Center

Print This Checklist

GoTo PDF Fillable Form

Student Name: **Type of Injury:**

Please return this form to: **Name** **Address**

E Mail

Phone

Fax

For Students Manifesting Symptoms of a Traumatic Injury:
Environmental Factors Influencing the

Safe Return to the Career and Technical Center (SR2CTC)

Career and Technical Education offers academic and physical challenges that can be very different from the challenges offered by a traditional high school environment. The **SR2CTC** environmental profiles are intended to be a guide when a safe return to the school environment includes a safe return to a Career and Technical environment. As you consider what accommodations a CTC student may require, please take a minute to review the appropriate Program of Study profile (see attached) and use this information to inform your recommendations.

CTC Activities and environmental conditions to be Avoided or Limited:

A	L		A	L	
		Computer monitor use			Driving a vehicle
		Visual acuity			Heavy lifting
		Reading print on white paper			Exposure to fire
		Reading textbook			Exposure to electricity
		Blueprint reading			Exposure to chemicals
		Note taking from white board			Exposure to dust/allergens
		Note taking from black board			Exposure to "heavy" metals (cobalt, copper, lead)
		Fine motor skills			Exposure to fumes/smells
		Gross motor skills			Lab work in seated position
		Multitasking			Independent of direct supervision
		Multiple step instructions			Requires dangerous mechanical equipment
		Tasks that require more than one action at a time			Requires high RPM rotation equipment
		Changing environment throughout day: Inside/outside			Requires use of general hand tools
		Changing environment throughout day: Warm/cold			Requires use of precision hand tools
		Leaving school property for job sites			Requires use of magnification equipment
		Enclosed or confined work area (ie booth; under a vehicle)			Tasks that require 100% accuracy
		Unusually hot			Tasks with an industry mandated timeline
		Periods of extensive noise			Tasks that require quick reaction time
		Flashing/pulsing lights			Helmets
		Lighting level must remain at industry standard			Headgear
		Work above floor level (i.e. scaffold, ladder)			Face shields
		Work down on floor level (sitting/on back)			Eye protection
		Extended time reaching over head			Ear protection
		Extended time standing			Face mask
		Upper body range of motion – head, arms			Headphones (with audio)
		Lower body range of motion			

Date: The current recommendations expire on:

Notes:

Signature:

Copyright © 2014 Indiana County Technology Center

Program Index

If your Program of Study is not listed in this publication, please complete a

Program Environmental Survey

and email it to: bpiccirillo@ictc.edu

Your survey will be added to this document at the next update.

A copy of the **Program Environmental Survey**
is printed on the next two pages of this document.

Program Index

Program Survey - For Students with Traumatic Brain Injury: Envoronmental Factors Influencing the Safe Return to CTC

The purpose of this survey is to gather data about the unique environments that exist in CTC Programs of Study. The goal is to compile this data into a document that can be used to guide the decision making process when returning a student with ABI to a Career and Technology environment. Please, return your completed form, as an attachment, to: **bpiccirillo@ictc.edu** Thank you	
For an **average week** and for the average student, please rate the importance of the listed environmental factors on a scale of 0% - 100%	**Schoool:**
	CIP Code and Program Name:

Print This Survey

GoTo PDF Fillable Form

Visual Stimulation:	Write in a percent from 0% -100%
Computer monitor use	
Visual acuity	
Reading print on white paper	
Reading textbook	
Blueprint reading	
Note taking from white board	
Note taking from black board	

Motor Skills:	Write in a percent from 0% -100%
Fine motor skills	
Gross motor skills	
Multitasking	
Multiple step instructions	
Tasks that require more than one action at a time	

Academic rigor:	Write in a percent from 0% -100%
Required hours of performance in lab	
Rigorous academic testing	
Testing within a curriculum mandated timeline (i.e. 1 hour)	

Memorization:	Write in a percent from 0% -100%
Vocabulary	
Procedural steps	
Labels from a schematic/diagram	

Work Environment:	Write in a percent from 0% -100%
Changing environment throughout day: Inside/outside	
Changing environment throughout day: Warm/cold	
Leaving school property for job sites	
Enclosed or confined work area (i.e. booth, under vehicle)	
Unusually hot	
Periods of extensive noise	
Flashing/pulsing lights	
Lighting level must remain at industry standard	

Physical work requirements:	Write in a percent from 0% -100%
Work above floor level (i.e. ladder, scaffold)	
Work down on floor level (sitting/on back)	
Extended time reaching over head	
Extended time standing	
Driving a vehicle	
Heavy lifting – 50 or more pounds occasionally; 25 – 50 pounds frequently; 10 – 25 pounds constantly	
Upper body range of motion - arms , neck	
Lower body range of motion	

Exposure:	Write in a percent from 0% -100%
Exposure to fire	
Exposure to electricity	
Exposure to chemicals	
Mixing chemicals	
Exposure to dust/allergens	
Exposure to "heavy" metals (cobalt, copper, lead)	
Exposure to fumes/smells	

Lab Environment:	Write in a percent from 0% -100%
Lab work in seated position	
Independent of direct supervision	
Requires dangerous mechanical equipment	
Requires high RPM rotation equipment	
Requires use of general hand tools	
Requires use of precision hand tools	
Requires use of magnification equipment	
Tasks that require 100% accuracy	
Tasks with an industry mandated timeline	
Tasks that require quick reaction time	

Safety/special equipment that is worn:	Write in a percent from 0% -100%
Helmets	
Headgear	
Face shields	
Eye protection	
Ear protection	
Aprons	
Clothing	
Face mask	
Tool belts/Harness	
Gloves	
Headphones (with audio)	