

An abstract graphic on the left side of the slide, consisting of a network of thin, light green lines and small circles, resembling a circuit board or a stylized tree structure, set against a dark green gradient background.

PREPARATION FOR ACADEMIC & CAREER SUCCESS

BY TYLER LANE



ACADEMIC PREPARATION

WHAT DO I WANT TO DO ?

- Take classes, get good grades, get a job. Sounds simple, but there's more to it
- Classes help you discover what you like and dislike plus learning, and how you learn
- Things to consider for a “successful” academic career:
 - GPA, grades, and relevant courses
 - Internship/work experience
 - Clubs and involvement (take advantages only offered to students)
 - Leadership roles from clubs/involvement

PERSONALIZE YOUR ACADEMIC CAREER

- Takes the core classes you are required to take, then take classes you are interested in (no brainer, right?!)
- Work on side projects you're interested in (clubs or personal projects)
 - Document what you did: videos, pictures, technical report, etc. → Resume material
- Step outside your comfort zone, and slowly expand it. It's how you meet new people.
- Create and follow your own path

OTHER TOOLS

- Summer classes. Great if you want to get ahead, or keep up especially if no internship/work for summer
- Talking to professors to work on projects or research they are doing
- Working with senior projects or graduate students
- Develop a resume and keep it updated

RESUMES...IF YOU ARE JUST STARTING OUT...

- Find the “good” in everything
- Honors and awards (scholarships)
- Go through each class you’ve had (look at class syllabus)
- State the skills you currently have or skills from other jobs
- Start with descriptions, then sell your skills
 - Team work, planning, patience, like to learn, etc.

- Before:

I was a cashier, took orders during busy times, and performed other miscellaneous tasks.

- After

Maintained high standards of customer service during high-volume, fast-paced operations.

Assisted management with inventory control and stock ordering

AFTER AN INTERNSHIP

- Update your resume and keep different versions
- What did you learn?
 - New coding language
 - Writing technical documents
 - I don't want to go into _____.
- *State the skills you gained from what you did*



**KEEP
CALM
AND
UPDATE YOUR
RESUME**



JOB & INTERNSHIP HUNTING 101

WHAT DO I WANT TO DO? WHERE DO I WANT TO WORK?

- What you want to do will determine who you try to get a job/internship
- Location can be a deciding factor, not just salary
- Apply early on in your career, and apply throughout the year (seasonal)
- Track who you applied to and what you applied for
 - Be aware of big name companies
- Many STEM internships are paid
- Go to career fairs, make connections, especially locally

PREPPING FOR INTERNSHIPS/JOBS

- Everything we talked about earlier relating to a “successful” academic career.....
 - GPA, grades, and relevant courses
 - Internship/work experience
 - Clubs and involvement (take advantages only offered to students)
 - Leadership roles from clubs/involvement
- Use resources on campus they have to offer you at the career center, and explore online on your own
- Location, living arrangements, is it paid and if so how much?

WHAT TO EXPECT WHEN YOU GET THE POSITION?

- Treat it as a job and a class in school
- You are there to work and learn. The internship is an “extended interview”
- Depending upon the internship, you may miss school (summer vs semester long)
- Network. Just do it. People know other people, and you never know who you might meet

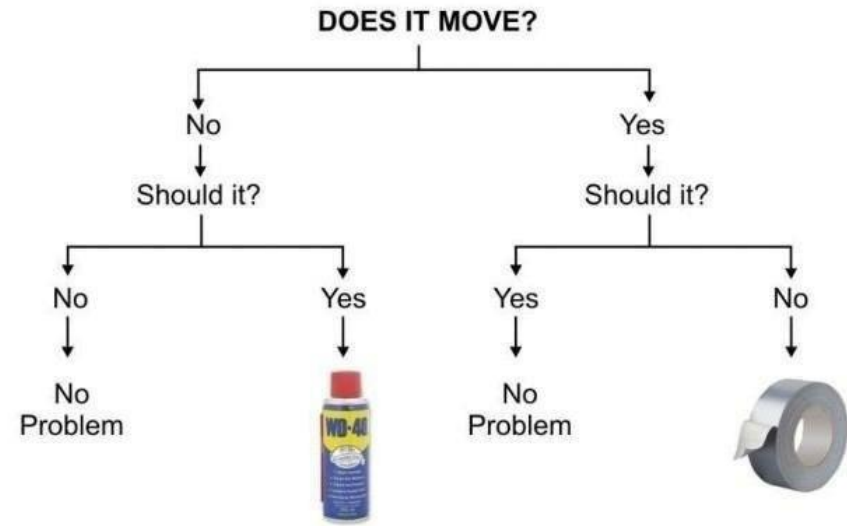
POTENTIALLY HELPFUL LINKS

- <http://www.engineerjobs.com/>
- <https://www.ndsu.edu/career/>

KEEP WORKING HARD AND YOU'LL GET THAT
INTERNSHIP



Engineering Flowchart

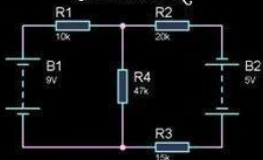


Engineering

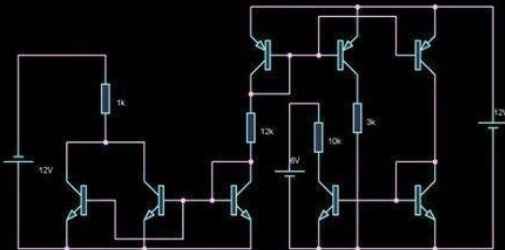
In class:



Homework:

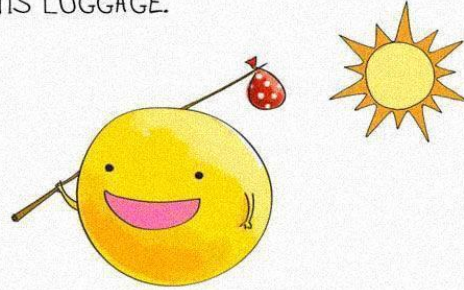


In exam:



THANK YOU!

A PHOTON CHECKS INTO A HOTEL AND IS ASKED IF HE NEEDS ANY HELP WITH HIS LUGGAGE.



"NO, I'M TRAVELLING LIGHT."

IT SEEMS TO RUN ON

SOME FORM OF ELECTRICITY

"Yes, I fully comprehend this Unit"

Said no **Engineer** ever.

DR. SHELDON COOPER

"The guy is one lab accident away from being a supervillain"

QUESTIONS???

