

CYSTEM presentation – 45 min

- 1) Introduction (have flyers & handouts available)
 - a) Thanks for coming
 - b) Start with introducing – self – role at ISU
 - i) Name
 - ii) ISUE 4-H
 - iii) If don't know much about Extension
 - (1) Promote healthy communities in Iowa
 - (2) Outreach arm of the land-grant University
 - (3) 4-H – youth
 - (4) Support and resources – STEM opportunities
 - c) (If small group) audience – where from – role?
- 2) Main Purpose today
 - a) Share new tool – rolling out
 - b) Discuss how useful – your work
 - c) Encourage – help populate
 - d) Feed back – how can we make it more useful
 - e) This is a discussion – interrupt, ask questions, make suggestions.
- 3) CYSTEM (Connecting Youth to...) (Pull up map)
 - a) Beta Version – future changes in appearance
 - b) Interactive online map – like Google map
 - c) Information about STEM opportunities for youth
 - d) User populated – moderated crowd sourcing
 - e) Wish – computer lab – play
 - i) Instead – walkthrough
 - f) Primary audiences – Youth – Parents – Adults who work with youth in STEM
- 4) How we imagine Youth/Parents using
 - a) Find programs – topics of interest
 - b) Find mentors – e.g. science fair project
 - c) Learn about Career opportunities in Iowa
 - i) See all the high tech, exciting, meaningful career opportunities in Iowa – home town even
- 5) Adults who work w/ youth
 - a) Put your program on the map – get the word out
 - b) Help – find programs, mentors, imagine future careers
 - c) Find stem professionals
 - i) Expertise in specific topics
 - ii) Willing to work with youth and share passion for STEM – classroom, camp, afterschool, club, etc.
 - (1) Mentor individual students
 - (2) Give presentations
 - (3) Give tours
 - (4) Judge science projects
 - (5) Provide technical assistance or specialized knowledge
 - (6) Be a role models
 - d) Connect to others doing similar work – ideas, help, etc.
- 6) How it works
 - a) Alpha testing
 - i) Guinea pigs – 4-H staff – put programs on the map
 - (1) So that is most of what is on the map now
 - ii) Worked out bugs
 - iii) Did usability testing
 - b) Current = beta version – ongoing small changes
 - c) Ready to reach out to other people and organizations to start really populating map
 - i) Increase number and variety of programs
 - ii) Increase number of mentors
 - iii) Get started putting careers on map
 - d) Rockwell Collins has agreed to first trial run
 - i) Employees put careers on map
 - ii) Employees apply to be mentors

- 7) Get ahead of self – How it works
 - a) Zoom and Pan
 - b) Click on markers to learn about opportunities
 - i) Click on one or two programs
 - (1) Read contents
 - (2) Explain how info is organized
 - ii) Click on one or two mentors
 - (1) Same as (i)
 - c) Explain Filters
 - i) Mentors only – only robotics – only geospatial
 - ii) Programs only – sustainable practices
 - iii) Careers only – computers & networking
 - d) Search function
 - i) Make up scenarios – type in “Medical”

- 8) Populating the map
 - a) Forms button
 - b) Forms Page – more info in on page soon
 - c) Program Form
 - i) Updating program info
 - (1) Retrieving program number
 - (2) Only auto-fills public info
 - ii) Contact person – internal only
 - iii) Overview of program info we collect
 - iv) **Attach a picture!**
 - (1) If not – default
 - d) Mentor Form – same procedure

- 9) What happens after you submit
 - a) Program
 - i) Check for legitimacy then publish
 - b) Updates
 - i) Check with original submitter
 - ii) If cant contact – check for legitimacy then post
 - c) Careers
 - i) Check that it is in Iowa and looks legitimate – post
 - ii) No name or contact info – only job title and employer

- d) Mentors
 - i) Email them
 - (1) Roles of a mentor
 - (2) Background check paperwork
 - ii) Pass background check - Provide online training
 - (1) What to expect as a mentor
 - (2) Expectations of mentors
 - (3) Doing science with youth
 - (4) Basic child development – appropriate expectations
 - (5) Ideas for getting more involved in STEM
 - (6) Ideas for mentoring virtually
 - (7) Resources through county extension 4-H program to get more training and networking
 - iii) Post info

- 10) Call to action
 - a) Take flyers – give to everyone you know who:
 - i) Might use the map
 - ii) Might populate the map
 - b) Share map with youth/parents you work with to they can find mentors/programs
 - c) Send flyers home to parents
 - d) Fill out a form for any programs you help with
 - i) After school programs
 - ii) Workshops/camps that repeat
 - iii) Clubs
 - iv) School programs – not school itself
 - e) Use CYSTEM in your work

- 11) Wrap-up
 - a) Email for electronic version
 - b) Finding map – Iowa 4-H website **Hotlist**
 - i) Google Iowa 4-H
 - ii) Go to ISU webpage – search for 4-H
 - iii) Go to Extension website – Educate – Iowa 4-H Program
 - c) Share other resources – eg. ESET website, ETEC website, PERKits