

CONTINUOUS EDUCATION: Instructional Systems Design and Technology



Newton Medical Center

Creds

Julie La Combe, MSIDT
Clinical Informatics Educator

Instructional Systems
Designer:
Not a Nurse



Goals



Background



Follow a
Model



Helpful
Stuff



Go Forth
and Design

Background



Background

1

Newton Medical Center

Meditech 6.15



How I Started...



Then...

Newbies

Optimization education

Other users



Shared Governance

Clinical Education Council

Interdisciplinary
Monthly

Jennifer Fernandez,
BSN, RN

*Regulatory
Education*

*Performance
Improvement*

Choose Your Player(s)



John Keller
Motivational Design

MOTIVATION
Process
Standards

(Keller, 2010)



We Use Learning Models



Follow a
Model

2

Clinical Informatics Learning Process Model

1 Obtain Course
Information

2 Obtain Audience
Information

3 Analyze Audience

4 Analyze Existing
Materials

5 List Objectives and
Assessments

6 List
Potential
Tactics

7 Select
and Design

8 Integrate
with
Instruction

9 Select
and
Develop
Materials

10 Evaluate and
Revise
(formative and
summative)

Contributors:

SMEs - Core Team leads, team members, analysts
(intensively at first)

ISD - Julie

Other stakeholders *as appropriate – end users

**be careful with this*

Julie La Combe, CIE

Do requests and decisions make it past
these sentries?

ARCS –V:
Attention
Relevance
Confidence
Satisfaction
Volition

When selecting
content and
delivery, ensure
choices adhere
to ARCS-V

Now Apply It



MISSION POSSIBLE!

28 AUGUST 2018 | 07:00 - 19:00 | Newton Medical Center

Mission POSSIBLE: By the numbers

- ✓ 44 volunteers gave 337 hours
- 👨‍⚕️ 14 areas of content education and demonstration
- 📍 10 conference and inpatient rooms
- 🕒 12 hours
- ❗ 304 EMPLOYEES

Brought to you by the NMC Clinical Education Council



MISSION POSSIBLE
NEWTON MEDICAL CENTER



- ☒ BASIC LIFE SUPPORT
- ☐ INFECTION CONTROL
- ☐ FALLS
- ☐ DYSRHYTHMIA
- ☐ LIFTS
- ☒ RESTRAINTS
- ☒ BLOOD GLUCOSE MONITORING
- ☒ PERSONAL PROTECTIVE EQ.
- ☐ BIOHAZARDOUS WASTE
- ☒ BLOOD
- ☒ HANDWASHING
- ☐ IMAGING SAFETY
- ☐ OXYGEN DELIVERY





NAME: _____

DEPARTMENT: _____

MISSION REPRESENTATIVE: _____

DATE: 28 AUGUST 2018

Universal Design



Helpful
Stuff

3

Education needs to be accessible

WCAG 2.0

HR/Marketing Friends

Hooters

(U.S.C. Title 42, 2019)

(IT Accessibility Laws and Policies, 2019)

(w3c_wai., 2019)

(Docket for Gomez, 2019)

(Docket for Haynes, 2019)



Learners aren't prisoners



Go Forth
and Design

4



Maybe PPP isn't the Problem



...can prevent misuse
of Power Point

Preventing the Abuse of PPP

Don't develop anything without first applying proper illumination. As you consider your learning objects, keep the



Then...

Newbies

Optimization education

Other users



Layout should be left-to-right and top-to-bottom. Layout experimentation, such as selecting text and images, frustrates the visual channel. We read left-to-right and top-to-bottom, so stay in that format with your design.

4 PREPARE, PRACTICE, POKE HOLES

Critical thinking question time – if *you* don't poke holes in it, your learners will.

What are my assumptions? Are they accurate?

Can I prove everything I assert?

What questions will *they* have?

Is my time frame too ambitious? (i.e., a 30 minute presentation can only have 20 minutes of content)



Silos vs Systems



Get you an ISD!

Questions & Answers

