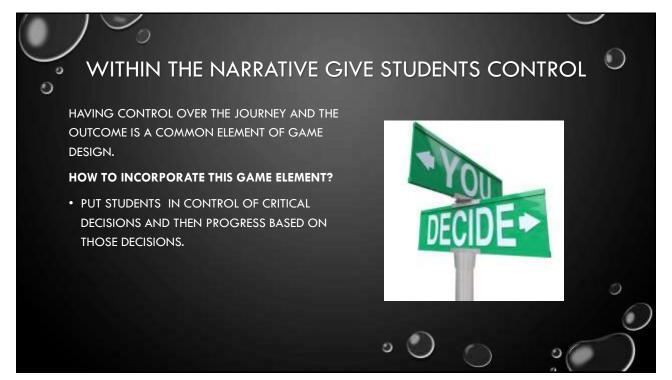




EXAMPLE: SCENARIO PARAMETERS

- YOUR MEDICAL ETHICS BOARD HAS BEEN CALLED INTO EMERGENCY SESSION. AVIAN BIRD FLU HAS MUTATED AND IS NOW ABLE TO BE SPREAD FROM PERSON TO PERSON THROUGH RESPIRATORY DROPLETS RESULTING IN A PANDEMIC.
- THE VIRUS HAS A 40% MORTALITY RATE WITH RATES EVEN HIGHER AMONG PREGNANT WOMEN. THOSE AGES 15-40 HAVE THE
 GREATEST RISK OF DEATH AS THEY HAVE THE BEST IMMUNE FUNCTION. RESPIRATORY FAILURE ACTUALLY OCCURS DUE TO THE BODY'S
 IMMUNE RESPONSE TO THE VIRUS.
- US BORDERS ARE CLOSED AND DIABETICS ARE HAVING TROUBLE OBTAINING REGULAR INSULIN AS THE OFF SHORE PRODUCERS ARE IN
 A COUNTRY WHICH HAS COLLAPSED.
- YOUR STATE IS IDENTIFIED AS A PRIORITY AREA AND A LIMITED NUMBER OF VACCINES HAVE BEEN DISTRIBUTED. THE STATE BORDERS
 WERE THEN CLOSED AND ARE CURRENTLY PATROLLED BY THE NATIONAL GUARD. YOUR HOSPITAL HAS ENOUGH VACCINE TO COVER
 TEN STAFF INDIVIDUALS IN THE MICU. THE MICU HAS BEEN CONVERTED INTO AN AVIAN BIRD FLU SPECIFIC CARE UNIT IN YOUR
 HOSPITAL AND YOU MUST KEEP THE 15 BED UNIT RUNNING FOR THE NEXT WEEK BEFORE YOU WILL HAVE ANY ADDITIONAL VACCINE.
- IN ORDER TO COMPLY WITH THE HOSPITAL INFECTION CONTAINMENT POLICY, ONCE VACCINATED THOSE STAFF MEMBERS WILL NOT BE AVAILABLE TO COVER OTHER UNITS AND WILL BE RESTRICTED TO WORKING WITHIN YOUR UNIT WHICH WILL EXCLUSIVELY CARE FOR THOSE WITH AVIAN BIRD FLU. WHICH MEMBERS OF YOUR STAFF WILL RECEIVE THE VACCINE?







- YOU HAVE FOUR VENTILATOR BEDS AVAILABLE IN THE MICU. WHICH PATIENTS GET THE VENTILATORS?
 - A.) MALE POLICEMAN, 29 YEARS, NO SIGNIFICANT MEDICAL HISTORY, TWO CHILDREN
 - B.) FEMALE TEACHER, 38 YEARS, HISTORY OF HYSTERECTOMY AND GALLBLADDER SURGERY, BMI 32, TWO CHILDREN
 - C.) FEMALE NURSE, 56, HISTORY OF DIABETES, SMOKER, NO CHILDREN
 - D.) MALE CARPENTER, 23, NO SIGNIFICANT MEDICAL HISTORY, NO CHILDREN
 - E.) FEMALE ATHLETE, 21, NO SIGNIFICANT PAST MEDICAL HISTORY, CURRENTLY 18 WEEKS PREGNANT
 - F.) MALE, CEO FOR LOCAL TECHNICAL COMPANY, 59, HISTORY OF HEART DISEASE, PEDIATRIC WING IS NAMED AFTER HIM DUE TO A VERY LARGE MONETARY DONATION MADE LAST YEAR, FATHER OF 4 CHILDREN.

HAVE THE NARRATIVE UNFOLD AND BUILD OFF PREVIOUS DECISIONS

THE CEO FOR HOSPITAL ARRIVES AND STATES PATIENT F WILL GET A VENTILATOR AND PATIENT C (WHO IS THE MEDICAL DIRECTOR'S WIFE WILL GET A VENTILATOR).

- PATIENT A DIES.
- PATIENTS G &H ARRIVE

YOU STILL HAVE FOUR VENTILATORS AND PATIENTS B-H ALL NEED THEM. THE PATIENTS YOU PREVIOUSLY GAVE THE VENTILATORS ARE CURRENTLY ON THEM. WHO WILL RECEIVE THE FOUR VENTILATORS? WILL YOU TAKE ANYONE OFF A VENTILATOR TO GIVE IT TO SOMEONE ELSE? WHAT WILL BE THE RAMIFICATIONS OF YOUR DECISION?



CONTINUOUS PLAY IS THE ABILITY TO PICK UP WHERE YOU LEFT OFF AND CONTINUE THE GAME. THIS MEANS EVEN IF THEY "LOSE" THE GAME, THEY CAN START OVER AND TRY AGAIN.

HOW TO INCORPORATE THIS GAME ELEMENT?

LET LEARNERS KEEP GOING! IT'S A GREAT SIGN WHEN LEARNERS WANT TO RETRY OR REVISIT CONTENT. IT MEANS THEY ARE INTERESTED AND INTRIGUED. STUDENTS WHO INTERESTED ARE SIGNIFICANTLY MORE LIKELY TO RETRY OR REENGAGE WITH CONTENT THEY ARE STILL WORKING TO MASTER.

ONE WAY TO INCORPORATE CONTINUOUS PLAY INTO YOUR COURSES IS TO ALLOW LEARNERS TO KEEP TRYING IF THEY HAVE NOT REACHED MASTERY (SEE SOLVE THE OUTBREAK), ANOTHER WAY IS TO LET THEM WORK THROUGH A SCENARIO AGAIN AFTER CONSIDERING THE ALTERNATIVES RAISED IN THE GROUP (PANDEMIC SCENARIO).

We want more!

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COMPETITION: LEVELS & REWARDS ARE HELPFUL

LEVELS/REWARDS

ACHIEVING DIFFERENT LEVELS, GOALS, OR CHALLENGES IS A COMMON THEME AMONG GAMES.

HOW TO INCORPORATE LEVELS/REWARDS?

"UNLOCK" THE LEVELS WHEN LEARNERS COMPLETES NECESSARY STEPS OR EARNS A CERTAIN NUMBER OF POINTS. (IE. CDC APP)

LEADERBOARDS CAN BE USED TO ENCOURAGE STUDENT **GROUPS**, STUDENT GROUPS LIKE TO GET RECOGNITION FOR THEIR SKILLS AND EFFORT.

CONSIDER GIVING "BONUS POINTS" TO LEARNERS FOR MORE DIFFICULT QUESTIONS OR ADDITIONAL MASTERY (IE. SCORES OVER 20,000 POINTS ARE IN LEVEL 3 AND ARE A BONUS)

see: Solve the Outbreak



- IT IS ALSO ESSENTIAL TO DESIGN CONSTRUCTIVE FEEDBACK
 OPPORTUNITIES TO PROVIDE DIRECTION, PROMOTE SELF-CORRECTION
 AND ULTIMATELY LEAD TO PROGRESSION AND ACHIEVEMENT OF
 LEARNING GOALS.
- FEEDBACK IS A KEY PART OF GAMING. IT LETS THE USER KNOW THAT THEIR ACTION HAS BEEN REGISTERED OR RECOGNIZED.
- IMMEDIATE FEEDBACK PROMOTES EFFICIENT LEARNING AND BEHAVIORAL CHANGE ESPECIALLY WHEN COMBINED WITH THE SCIENTIFIC PRINCIPLES OF REPEATED RETRIEVAL AND SPACED REPETITION.
- HOW TO INCORPORATE THIS GAME ELEMENT?
- FEEDBACK DOESN'T HAVE TO BE TEXT. VIDEO FEEDBACK MAY BE MORE PERSONAL. ALSO, "UNLOCKING" NEW LEVELS IS A TYPE OF FEEDBACK THAT LETS STUDENTS KNOW THEY'RE DOING WELL AND PROGRESSING.
- OPPORTUNITIES TO "CHECK YOURSELF" ARE A WAY TO PROVIDE FEEDBACK AND LET LEARNERS KNOW HOW THEY'RE DOING.

Emoji feed-back with self check

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