Classroom Activity:
Research Jeopardy!

Time: 45 minutes to one hour

TEKS: Middle School Science: 6.1; 6.2 D; 7.1; 7.2 D; 8.1; 8.2 D

Middle School Health: 7.3 A-C; 7.12 A; 8.3.A-C; 8.12 A

High School Biology: 1 A, 2A, C, D; 4 C-D; 10 A

High School IPC: 1 A; 2 A, C, D

High School Health: 115.32.b.2.D, 115.33.c.2.A-B

Materials Needed (for those with computer access)

- Computer
- LCD projector
- Screen
- MS PowerPoint software

Materials Needed (for those without computer access)

- Jeopardy Board
- 25 question cards
- 75 penalty cards

  -or-
- White board / chalkboard
- Markers / chalk

Preparation

1. Create Research-Jeopardy board one of four ways:
   a. Project PowerPoint slide of Research-Jeopardy board
   b. Print out worksheet for each student; each student can cross out questions as they are answered on his/her board
   c. Print out large version of worksheet and hang on wall; assign one student to cross out questions as they are answered
   d. Draw on board using sample sheet provided as a guide and erase questions as they are answered
2. Prepare Jeopardy questions one of three ways:
   a. Print two tables double-sided, cut into cards
   b. Print two tables, cut and paste using construction paper as a backing
   c. If time is limited, simply use reference table (don't create cards)
3. Print and cut Jeopardy penalty cards (optional)

Procedure

1. Ask students if they have ever seen the game "Jeopardy." Have a student explain the basic rules of the game and clarify as necessary. Tell students they will be playing "Research-Jeopardy."
2. Divide the classroom into three teams. Select a "representative" for each team--this will be the student that will say answers aloud for their team. Select a "card keeper" for each team—this student will collect all answer cards and penalty cards for the team (or record points if you choose not to cut out cards). Have students select a team name.
3. Think of a number between 1 and 50. Have each team representative guess the number to determine who goes first.
4. Have the winning team select a $100 category answer
5. Read out the "answer" listed at the top of the question card or table. For example, "*Terms $100: IRB.*"
6. Allow students, as a team, to decide on the "question" they believe is correct. The first team representative to raise his/her hand will be called upon. The team representative must give the team's response in the form of a question. For example, "*What is the Institutional Review Board?*"
    a. If the team representative gives the correct response, have that team's card keeper retrieve the question card (or record the money value if you choose not to cut out cards).
    b. If the team representative gives an incorrect response, their card keeper must take a penalty card (or record the money value if you choose not to cut out cards).
    c. The other two teams will then be given a chance to earn the question card. The first team representative to raise his/her hand will be called upon.
7. After all of the categories are answered, have each team tally their points. Double-check their math.
8. The team with the greatest amount of money wins Research Jeopardy! Optional prizes could include extra credit points per dollar amount earned.

Source: The University Clinical Research Center, University of Texas Health Science Center at Houston

Terms	Clinical Trial Facts	Research Agencies	Ethics	Ethics Applied
$100	$100	$100	$100	$100
$200	$200	$200	$200	$200
$300	$300	$300	$300	$300
$400	$400	$400	$400	$400
$500	$500	$500	$500	$500

Terms **$100**	**Clinical Trial Facts** **$100**	**Research Agencies** **$100**	**Ethics** **$100**	**Ethics Applied** **$100**
Terms **$200**	**Clinical Trial Facts** **$200**	**Research Agencies** **$200**	**Ethics** **$200**	**Ethics Applied** **$200**
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IRB Institutional Review Board	Description of steps to be taken in a study. Protocol	The primary federal agency for conducting and supporting medical research. NIH	Ability necessary to make an informed decision. Comprehension	A pivotal event in history which drew attention for the need to have guidelines protecting humans in research. WWII/ Nazi war crime trials
If participants are unaware of whether they are in experimental or control arms, then the study is____ Blinded	A statement which gives information about the study, its procedures, benefits, and risks to a prospective subjects so they can make an informed decision about participation. Consent form	The federal agency responsible for enforcing drug and food laws enacted by Congress regarding the research, manufacture, and safety of drugs and foods Food and Drug Administration (FDA)	One of the most important components of making a sound decision is having enough… Information	The principle of ethics which charges us to treat all participants fairly and equally is _____ Justice
Principle of protecting the identity and medical information of participants in a clinical trail Confidentiality	The factors that are considered to allow someone to participate in a clinical trial Inclusion criteria	An office within the Department of Health and Human Services responsible for developing, monitoring, and overseeing protection of human research subjects Office of Human Research Protection (OHRP)	When outside interests unduly influence professional judgment Conflict of interest	The agreement to participate is valid only if the person feels this condition is present in the process. Voluntariness (Autonomy)
An inactive pill, powder, or liquid that has no treatment value Placebo	The safety factors that disallow someone from participating in a particular clinical trial Exclusion criteria	A U.S. government agency responsible for protecting the health of all Americans Department of Health and Human Services	The process in which persons decide to participate in a research study Informed consent process	This principle requires that research must do no harm while maximizing benefits and minimizing risks Beneficence
Method based on chance by which a participant is selected for one arm of the study or another Randomization	The standard by which the experimental observations are evaluated Control or control group	The group responsible for funding a clinical trial Sponsor (NIH, private foundations, pharmaceutical companies)	The name of the report outlining these basic principles of the ethical conduct of clinical research. The Belmont Report	You are required to participate in study about teachers in order to graduate. What principle does this violate? Autonomy

Terms **$100** IRB Institutional Review Board	**Clinical Trial Facts $100** Description of steps to be taken in a study. Protocol	**Research Agencies $100** The primary federal agency for conducting and supporting medical research. NIH	**Ethics** **$100** Ability necessary to make an informed decision. Comprehension	**Ethics Applied** **$100** A pivotal event in history which drew attention for the need to have guidelines protecting humans in research. WWII/ Nazi war crime trials
Terms **$200** If participants are unaware of whether they are in experimental or control arms, then the study is____ Blinded	**Clinical Trial Facts $200** A statement which gives information about the study, its procedures, benefits, and risks to a prospective subjects so they can make an informed decision about participation. Consent form	**Research Agencies $200** The federal agency responsible for enforcing drug and food laws enacted by Congress regarding the research, manufacture, and safety of drugs and foods Food and Drug Administration (FDA)	**Ethics** **$200** One of the most important components of making a sound decision is having enough… Information	**Ethics Applied** **$200** The principle of ethics which charges us to treat all participants fairly and equally is _____ Justice

Terms **$300** Principle of protecting the identity and medical information of participants in a clinical trail Confidentiality	**Clinical Trial Facts $300** The factors that are considered to allow someone to participate in a clinical trial Inclusion criteria	**Research Agencies $300** An office within the Department of Health and Human Services responsible for developing, monitoring, and overseeing protection of human research subjects Office of Human Research Protection (OHRP)	**Ethics** **$300** When outside interests unduly influence professional judgment Conflict of interest	**Ethics Applied** **$300** The agreement to participate is valid only if the person feels this condition is present in the process. Voluntariness (Autonomy)
Terms **$400** An inactive pill, powder, or liquid that has no treatment value Placebo	**Clinical Trial Facts $400** The safety factors that disallow someone from participating in a particular clinical trial Exclusion criteria	**Research Agencies $400** A U.S. government agency responsible for protecting the health of all Americans Department of Health and Human Services	**Ethics** **$400** The process in which persons decide to participate in a research study Informed consent process	**Ethics Applied** **$400** This principle requires that research must do no harm while maximizing benefits and minimizing risks Beneficence
Terms **$500** Method based on chance by which a participant is selected for one arm of the study or another Randomization	**Clinical Trial Facts $500** The standard by which the experimental observations are evaluated Control or control group	**Research Agencies $500** The group responsible for funding a clinical trial Sponsor (NIH, private foundations, pharmaceutical companies, etc.)	**Ethics** **$500** The name of the report outlining these basic principles of the ethical conduct of clinical research. The Belmont Report	**Ethics Applied** **$500** You are required to participate in study about teachers in order to graduate. What principle does this violate? Autonomy

Penalty Card **- $100**	**Penalty Card** **- $200**	**Penalty Card** **- $300**	**Penalty Card** **- $400**	**Penalty Card** **- $500**
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