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The Process of Cancer Research and Development

Activity Overview:

- Focuses on the process of cancer research and development. Five general areas will be covered, including Research Discovery, Grants and Funding, Development, FDA Approval and Clinical Trials, and Approved Treatments and Marketplace Issues
- Instructions are on the next page of this sheet, which includes set-up
- Participants will move through each stage (table set-up = one stage)

Materials:

- Two beakers (one clear, one opaque)
- 6 Blue Marbles
- 6 Green Marbles
- 1 die
- 1 deck of standard playing cards
- Color wheel with red, purple, yellow, orange, blue, and green spaces
- A quarter to flip

More Information:

- These games are not meant to imply that probability or chance are inherent components of the research process, though at times, they could be involved
- Possible problems that participants may learn about include not being able to garner funding for their research project, running out of funding, malfunctioning equipment, cell strain contamination, unexpected results, manufacturing issues, struggling to get FDA approval, and being outcompeted by a similar treatment.

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Set-up

- Six folding tables will be needed (see Layout page for how to arrange)
 - Each of the five tables will contain a game that corresponds to the area of research covered at that table
 - Table 1: Two beakers (one clear, one opaque), blue and green marbles to go in the opaque beaker
 - Table 2: one die
 - Table 3: one deck of standard playing cards
 - Table 4: color wheel with red, purple, yellow, orange, blue, and green spaces
 - Table 5: one quarter for the approved treatments table

