

ME2110-F			
Planning Tree Diagram			
Mission of Mars	Clear Surface of Radioactive Elements	Knock Elements Out of the Home Zone	Gain / Generate Energy
			Transmit Energy to Knock Elements Out
		Prevent Elements from Coming Back to the Home Zone	Direction Control
			Block Elements after Collision
	Collect Rock Samples for Study	Reach Out to the Samples	Gain / Generate Energy
			Transform Energy into Linear Motion
			Stop with Signal
		Move Samples Back	Direction Control
			Gain / Generate Energy
			Transform Energy into Linear Motion
	Land Spacecraft in Marked Safe Zones	Identify Safe Zones	Identify Safe Zones
			Trigger Control Signal
		Move Spacecraft	Hold Spacecraft
			Gain / Generate Energy
			Transform Energy into Linear Motion
		Drop Spacecraft onto Save Zones	Respond to Control Signal
			Drop Spacecraft
	Retrieve Astronauts	Identify Astronauts	Identify Astronauts
			Trigger Control Signal
		Reach Out to Astronauts	Gain / Generate Energy
			Transform Energy into Linear Motion
			Stop with Signal
		Hold Astronauts	Start with Signal
			Hold Safely when Retrieving
		Retrieve Astronauts	Start with Signal
			Gain / Generate Energy
			Transform Energy into Linear Motion
	Place National Flag	Reach Out to the Cavity	Stop with Signal
			Gain / Generate Energy
			Start with Signal
		Identify the Cavity	Identify the Cavity
			Trigger Control Signal
		Place the Flag	Start with Signal
			Place the Flag