ME 2110-F			
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Function Tree Diagram			
Get higher scores than competitors in ME 2110 Big Project: Mission of Mars	Clear Surface	Knock Elements Out of the Home	Gain / Generate Energy
	of	Zone	Transmit Energy to Knock Elements Out
	Radioactive	Prevent Elements from Coming	Direction Control
	Elements	Back to the Home Zone	Block Elements after Collision
		Reach Out to the Samples	Gain / Generate Energy
			Transform Energy into Linear Motion
	Collect Rock		Generate Signal for Next Step
	Samples for Study	Move Samples Back	Start with Signal
			Direction Control
			Gain / Generate Energy
			Transform Energy into Linear Motion
		Identify Safe Zones	Identify Safe Zones
			Trigger Control Signal
	Ridge Competition: Land Spacecraft in Marked Safe Zones	Move Spacecraft to Safe Zones	Hold Spacecraft
			Gain / Generate Energy
			Transform Energy into Linear Motion
			Direction Control
		Drop Spacecraft onto Save Zones	Respond to Control Signal
			Drop Spacecraft
		Remove Competitors' Spacecrafts from Safe Zones	Remove Competitors' Spacecrafts from Safe Zones
		Hom sale zones	Identify Astronauts
		Identify Astronauts	Trigger Control Signal
	Ridge Competition: Retrieve Astronauts	Reach Out to Astronauts	Gain / Generate Energy
			Transform Energy into Linear Motion
			Direction Control
			Stop with Signal
		Hold Astronauts	Start with Signal
			Hold Safely when Retrieving
		Retrieve Astronauts	Start with Signal
			Gain / Generate Energy
			Direction Control
			Transform Energy into Linear Motion
			Stop with Signal
	Place National Flag	Reach Out to the Mountain Range	Gain / Generate Energy
			Start with Signal
			Direction Control
			Stop with Signal
		Identify the Mountain Range	Identify the Cavity
		Place the Flag	Trigger Control Signal
			Start with Signal
			Place the Flag (Hold or Drop)