

2017-2018 Waterford School District STEM Initiatives

	First Semester					Second Semester					Summer 2018	
	September	October	November	December	January	February	March	April	May	June	July	August
Elementary	WIRED – VEX IQ Robotics Teams <ul style="list-style-type: none"> • Host VEX IQ Competition in November WSD STEAM Nights (Waterford Foundation Grant) After School Hour of Code Event(s) During National Coding Week Title III Night Cardboard Challenge Google for Education Launch *					WSD STEAM Nights (Waterford Foundation Grant) Title III Night STEM Fair for 4 th graders * Summer of STEAM <ul style="list-style-type: none"> • Little Engineers • Google CS First – Art • Create It. Build It. Interact with It. Destroy It. • Jamming into Science Michigan Science Center – STEMinista Event Digital Learning Day – Events within the classroom *					Summer of STEAM <ul style="list-style-type: none"> • Hour of Code • Google CS First – Game Design • Put the STEAM in Summer • Create It. Build It. Interact with It. Destroy It. WIRED – VEX IQ Robotics Begins <ul style="list-style-type: none"> • Coaches Camp July 25th Team Kick Off Event August 1 st	
Middle School	Google CS First After School Club Hour of Code Event During National Coding Week * Title III Night STEM Based Elective Choices including Tech and Coding * Drone Racing After School Club Google for Education Launch * STEM Fair for 8 th graders *					Google CS First After School Club STEM Based Elective Choices including Tech and Coding * Title III Night Summer of STEAM <ul style="list-style-type: none"> • Create It. Build It. Interact with It. Destroy It. • Drone Racing Camp Michigan Science Center – STEMinista Event Digital Learning Day – Events within the classroom *					Summer of STEAM <ul style="list-style-type: none"> • Beyond Hour of Code • Jamming into Science • Google CS First – Game Design • Put the STEAM in Summer • Create It. Build It. Interact with It. Destroy It. • Drone Racing Camp WIRED – VEX IQ Robotics Begins <ul style="list-style-type: none"> • Coaches Camp July 25th • Team Kick Off Event August 1st Wayne State Enrichment – Day Enrichment Program	
High School	Innovative Vehicle Design (IVD) Launches * Hour of Code Event During National Coding Week * Title III Night STEM Based Elective Choices including Engineering with Robotics, CADD and Computer Science * Wayne State Pipeline Program STEM Academy * <ul style="list-style-type: none"> • Opens for first 9th/10th grade Cohort • Oakland University STEM Field Trip/PL Partnership • STEM Fair for 8th graders Google for Education Launch * Drone Racing After School Club (Grass Roots – Try to Get Other Districts)					Innovative Vehicle Design (IVD) Competition FIRST Robotics – Launches, Build Season and Competitions <ul style="list-style-type: none"> • Host District Competition in April/May Title III Night STEM Based Elective Choices including Engineering with Robotics, CADD and Computer Science * Wayne State Pipeline Program STEM Academy * <ul style="list-style-type: none"> • STEM Fair for 4th graders Summer of STEAM <ul style="list-style-type: none"> • Drone Racing Camp CADD Lab – MITES Competition Digital Learning Day Events within the classroom *					Summer for STEAM <ul style="list-style-type: none"> • Drone Racing Camp Sharon Spencer Mott – NASA Institute Wayne State Enrichment – Day and Residential Enrichment Program	

* Occurs during the school day