

Primary Years Programme (PYP) of the IB: Program of Inquiry (POI): Willard Magnet School - 2017 – 2018 – Edit date -1/10/18

	Who we are An inquiry into the nature of the self, beliefs and values; personal, physical, mental, social and spiritual health; human relationships including families, friends, communities and cultures; what it means to be human.	Where we are in place and time An inquiry into orientation in place and time; personal histories; homes and journeys; the discoveries, explorations and migrations of humankind; the relationships between and interconnectedness of individuals and civilizations, from local and global perspectives.	How we express ourselves An inquiry into the ways in which we discover and express, ideas, feelings, nature, culture, beliefs and values; the ways in which we reflect on, extend and enjoy our creativity; our appreciation of the aesthetic.	How the world works An inquiry into the natural world and its laws; the interaction between the natural world (physical and biological) and human societies; how humans use their understanding of scientific principles; the impact of scientific and technological advances on society and on the environment.	How we organize ourselves An inquiry into the interconnectedness human-made systems and communities; the structure and function of organizations; societal decision-making; economic activities and their impact on humankind and the environment.	Sharing the planet An inquiry into rights and responsibilities in the struggle to share finite resources with other people and with other living things; communities and of the relationships within and between them; access to equal opportunities; peace and conflict resolution
5	<p>Central idea: Culture can be fluid, and changes as people and groups interact.</p> <p>Key concepts: Perspective, change, reflection</p> <p>Related concepts: Diversity, culture</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Customs and cultures through place and time • How culture is changed by human interaction • Our own personal histories, backgrounds, and cultures <p>Subject Focus: Social Studies, Languages, Arts</p>	<p>Central idea: Throughout time, people have tried improve society through exploration of the universe.</p> <p>Key concepts: Reflection, form, causation</p> <p>Related concepts: Exploration, design, systems</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Methods, reasons, and benefits of exploration • How changes in technology affect our knowledge of the universe <p>Subject Focus: Social Studies, Math, Arts</p>	<p>Central idea: Music is a form of self-expression that helps us communicate to others.</p> <p>Key concepts: Form, change, connection</p> <p>Related concepts: Culture, value</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Musical genres and the impact of musicians on society • Influence of history and culture on music • Song-writing as a form of self-expression <p>Subject Focus: Arts, Languages, PSPE</p>	<p>Central idea: People have sought to understand the physical and biological aspects of the world in order to manage resources and support sustainability.</p> <p>Key concepts: Change, connection, causation,</p> <p>Related concepts: Systems, cycles, sustainability</p> <ul style="list-style-type: none"> • Weather and geology • Physical and chemical properties • Interrelationships between ecosystems and living things <p>Subject Focus: Social Studies, Math, Arts</p>	<p>Central idea: People adopt or take on some form of organization in order to maintain control within society.</p> <p>Key concepts: Form, function, and responsibility</p> <p>Related concepts: Systems, governance</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Different forms of government through out the world • Local, national, and global power struggles • Rights and responsibilities of citizens <p>Subject Focus: Social Studies, Languages, and Arts</p>	<p>Central idea: Environment and society’s survival depend on human actions.</p> <p>Key concepts: Causation, change, responsibility</p> <p>Related concepts: Conservation, interdependence</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> • Renewable and non-renewable resources • Environmental and pollution issues • Ways to protect/restore the environment <p>Subject Focus: Science, Social Studies, Languages</p>
4	<p>Central idea: Choices regarding diet and exercise correlate to personal health</p> <p>Key concepts: Function, change, reflection</p> <p>Related concepts: Power and privilege, choice, values</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> • The human body • Nutrition and diet • Exercise <p>Subject Focus: Science, Math, PSPE</p>	<p>Central idea: Differing beliefs about land and its resources alter relationships between people.</p> <p>Key concepts: Causation, change, and perspective</p> <p>Related concepts: Value, conflict</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> • Reasons for conflict • A case study of California and its inhabitants through time. • Land disputes throughout the world <p>Subject Focus: Social Studies, Languages, Arts</p>	<p>Central idea: People use different forms of communication to meet specific needs in a changing society</p> <p>Key concepts: Change, perspective, reflection</p> <p>Related concepts: Media, restriction</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> • Reasons for communication • Forms, styles, and methods of communication • Freedom of speech and censorship <p>Subject Focus: Languages, Arts, PSPE</p>	<p>Central idea: People produce and use different types of energy, which leave an environmental footprint.</p> <p>Key concepts: Function, connection, responsibility</p> <p>Related concepts: Conservation, environment, resources</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> • Types of energy • Production of energy • The impact of energy use <p>Subject Focus: Science, Languages, Social Studies</p>	<p>Central idea: Economic systems empower people to manage and organize themselves.</p> <p>Key concepts: Responsibility, function, connection</p> <p>Related concepts: Economics, value, interdependence</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> • Economic Systems • Financial Planning (Necessities, luxuries, and investments) • Economic decisions and their impact <p>Subject Focus: Math, Social Studies, PSPE</p>	<p>Central idea: Living things overcome circumstances in order to survive.</p> <p>Key concepts: Form, change, connection</p> <p>Related concepts: Environment, sustainability</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> • Basic needs for survival • Methods and strategies of survival • Internal and external factors related to survival <p>Subject Focus: Social Studies, Languages, Science</p>
3	<p>Central idea: Shared values, principles, and beliefs unite citizens within a society.</p> <p>Key concepts: Change, perspective, responsibility</p> <p>Related concepts: Relationships, communication</p> <ul style="list-style-type: none"> • The role of the citizen • How various government systems work • How citizens can resolve conflicts <p>Subject Focus: Languages, PSPE, Social Studies</p>	<p>Central idea: A community is changed by the wants and needs of its inhabitants.</p> <p>Key concepts: Connection, change, responsibility</p> <p>Related concepts: Community, citizenship, interdependence</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> • Components of a community • Role of citizens within a community • Changes that occur in communities <p>Subject Focus: Art, Social Studies, Languages, Science, Math</p>	<p>Central idea: The arts communicate society’s beliefs and norms and serve as cultural records of civilizations.</p> <p>Key concepts: Perspective, form, and function</p> <p>Related concepts: Communication, culture, values</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> • Relationship between the arts and history • Techniques and analysis the arts • Self-expression through various mediums <p>Subject Focus: Arts, Languages, Social Studies</p>	<p>Central idea: Humans use their scientific understanding of the forces of motion to create inventions that impact everyday life.</p> <p>Key concepts: Form, function, and causation</p> <p>Related concepts: force, motion, balance, patterns, magnetism, electricity,</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> • Inquiry into: forces and laws of motion • Balanced and unbalanced forces • Solving simple design problems • How forces, tools, and machines impact our world <p>Subject Focus: Science, Math, ELA</p>	<p>Central idea: Different approaches to money management systems complicate our relationships in a global economy.</p> <p>Key concepts: Connection, responsibility, reflection</p> <p>Related concepts: Systems, interdependence, cooperation or conflict</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> • Money as an exchange system • Money management philosophies • Issues related to running a business <p>Subject Focus: PSPE, Languages, Math,</p>	<p>Central Idea: Understanding climate, weather, and sustainable farming practices guides decisions related to responsible stewardship.</p> <p>Key Concepts: change, connection, responsibility</p> <p>Related Concepts: conservation, sustainability</p> <p>lines of inquiry:</p> <ul style="list-style-type: none"> • How climate and weather impact our stewardship of the land • Life cycles and traits of plants and animals • Sustainable farming practices <p>Subject Focus: Science, PSPE, ELA</p>

2	<p>Central idea Human choices, actions, and contributions bring about change in a society</p> <p>Key concepts Reflection, responsibility, perspective</p> <p>Related concepts: Character, courage, interaction</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> How personal choices and action affect society How and why role models are chosen How individuals develop into people of character <p>Subject Focus: Science, Social Studies, PSPE</p>	<p>Central idea Push and pull factors influence how, where, and why people migrate.</p> <p>Key concepts: Perspective, causation, connection</p> <p>Related concepts: Orientation, migration</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> Push and Pull factors that affect where people live and group themselves. Explorations and movements of people Mapping skills and map making <p>Subject Focus: Social Studies, Art, Math</p>	<p>Central idea Through storytelling people entertain, record history, preserve culture, and explain the unknown</p> <p>Key concepts: Change, form, reflection</p> <p>Related concepts: Belief, value, communication</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> Storytelling, story genres and story elements How stories relate to culture and history Development of personal stories <p>Subject Focus: Languages, Social Studies, Art</p>	<p>Central idea: Understanding principles of matter help people make decisions about its use in everyday life.</p> <p>Key concepts: Perspective, responsibility, causation</p> <p>Related concepts: Conservation, sustainability</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> Physical properties of matter Chemical properties of matter How changes in matter affect the environment <p>Subject Focuses: Science, Social Studies, PSPE</p>	<p>Central idea People provide services and goods based on community wants and needs and available resources.</p> <p>Key concepts: Connection, change, function</p> <p>Related concepts: Interdependence, systems, value</p> <p>Inquiry into:</p> <ul style="list-style-type: none"> Interdependence of producers and consumers Production, distribution, and consumption of goods and their environmental impact. Variables that affect product value and availability <p>Subject Focus: Social Studies, Math, Languages</p>	<p>Central idea Plants and animals are connected within ecosystems in order to support sustainability.</p> <p>Key Concepts: Change, perspective, responsibility</p> <p>Related Concepts: Interactions, Ecosystems, Energy,</p> <p>Inquiry into:</p> <ul style="list-style-type: none"> Diversity of life within different habitats How plants and animals meet their needs in their Habitat Connections between plants and animals <p>Subject Focus: Science, Languages, Social Studies</p>
1	<p>Central idea: Customs, traditions, and relationships make homes and families special and unique.</p> <p>Key concepts: Responsibility, connection, perspective</p> <p>Related concepts: Family, culture, diversity</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> What makes a family Roles and responsibilities in families How time, culture, traditions, and relationships make families unique <p>Subject Focus: Social Studies, PSPE, Language</p>	<p>Central idea: Over time changes in transportation and technology have influenced how our homes and communities function.</p> <p>Key concepts: Form, connection, change</p> <p>Related concepts: Community, systems, culture</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> How homes and communities have changed over time The technological advancement and transportation systems How movement of people has changed societies <p>Subject Focus: Social Studies, Math, Arts</p>	<p>Central idea: People understand the world and express themselves using their bodies.</p> <p>Key Concepts: Form, function, perspective</p> <p>Related concepts: Identity</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> Using senses to understand the world Different forms of expression using the body Compensating for physical challenges or missing senses <p>Subject Focus: PSPE, Arts, Languages</p>	<p>Central idea: Patterns and cycles are part of how the world functions and contribute to sustainability</p> <p>Key concepts: Causation, change, reflection</p> <p>Related concepts: Pattern, Cycle</p> <p>Lines of Inquiry:</p> <ul style="list-style-type: none"> Solar System Patterns Sun and Seasonal Patterns Animal and plant cycles <p>Subject Focus: Science, math, Arts</p>	<p>Central idea: People embrace various roles, which support the function of a community.</p> <p>Key concepts: Responsibility, function, connection</p> <p>Related concepts: Community, roles, networks</p> <p>Lines of inquiry</p> <ul style="list-style-type: none"> Different types of jobs. Training, preparation, and responsibilities of various jobs. How jobs affect communities. <p>Subject Focus: Social Studies, PSPE, Languages</p>	<p>Central idea: Organisms have structures and behaviors that help them function within their environment</p> <p>Key Concepts: Form, function, connection</p> <p>Related concepts: Survival, structures, nature and nurture</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> How body parts impact survival, Behaviors that affect survival, Similarities and differences between offspring and parents <p>Subject Focus: Science, Language, Math</p>
K	<p>Central idea: Knowing and respecting ourselves and others, helps create responsible citizenship.</p> <p>Key concepts: Form, responsibility, reflection, change</p> <p>Related concepts: Identity, diversity, relationships</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> Individual strengths and interests. Our similarities and differences. Respecting ourselves and others <p>Subject Focus: PSPE, Languages</p>	<p>Central Idea: Rhymes, songs and stories can reflect culture and history.</p> <p>Key concepts: Form, change, connection</p> <p>Related concepts: Culture, history, pattern</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> Rhymes, songs, and stories of different cultures. Cultural similarities and differences of rhymes, songs, and stories. How rhymes, songs and stories reflect time, history and culture <p>Subject Focus: Social Studies, Languages, arts.</p>	<p>Central idea: Celebrations reflect the beliefs, values, and heritage of a culture.</p> <p>Key concepts: Form, connection, perspective</p> <p>Related concepts: Culture, beliefs, symbolism</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> Types of celebrations International customs, artifacts, foods, music and dance How celebrations are related to culture, tradition, and history <p>Subject Focus: Social Studies, Languages, Art</p>	<p>Central idea: The sun's energy causes changes to living and nonliving things on earth.</p> <p>Key Concepts: Connection, change, connection</p> <p>Related Concepts: Pattern, measurement,</p> <p>Lines of inquiry:</p> <ul style="list-style-type: none"> The sun's energy Types of weather Design solutions for weather conditions <p>Subject area focuses: science, social studies, Language</p>	<p>Central idea: Learning is a reflection of the world and connects us with each other.</p> <p>Key concepts: Form, function, connection, responsibility</p> <p>Related concepts: Systems, relationships</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> What, how and why people learn Similarities and differences of learning environments throughout the world Responsibilities regarding learning <p>Subject Focus: Languages, Social Studies, PSPE,</p>	<p>Central idea: Plants and animals work to meet their needs within their environment</p> <p>Key Concepts: Connection, responsibility</p> <p>Related Concepts: Need, survival,</p> <p>Lines of Inquiry</p> <ul style="list-style-type: none"> Needs of plants and animals How needs are met within the environment How plants and animals change the environment <p>Subject area focuses: science, social studies, language</p>
TK	<p>Central Idea Knowing yourself and others helps create stronger communities.</p> <p>Key concepts: Causation, responsibility, reflection</p> <p>Related concepts: Citizenship, cooperation</p> <p>Inquiry</p> <ul style="list-style-type: none"> Self (physical & emotional) Caring for yourself and others What it means to be part of a group <p>Subject Focus: PSPE, Languages, Social Studies</p>	<p>Central Idea: People can express feelings and beliefs through visual arts and play.</p> <p>Key concepts: Form, connection, perspective</p> <p>Related concepts: Value, beauty, shape, color</p> <p>Inquiry into:</p> <ul style="list-style-type: none"> The senses we use to express art Types of visual arts and self-expression through them How people express beliefs, values, and feelings <p>Subject Focus: PSPE, Arts, Social Studies</p>	<p>Central Idea: Transportation methods change based on people's needs and available technology within their community</p> <p>Key concepts: Form, function, change</p> <p>Related concepts: Technology</p> <p>Inquiry into:</p> <ul style="list-style-type: none"> Different types of transportation (land, air, water) and their purposes Transportation technology of the past, present and future. Affects of transportation on communities <p>Subject Focus: PSPE, Science, Social Studies</p>	<p>Central Idea: World contains various cycles, and features which are shared by it's inhabitants.</p> <p>Key concepts: Form, connection, responsibility</p> <p>Related concepts: Cycles,</p> <p>Inquiry into:</p> <ul style="list-style-type: none"> World features Cycles Our responsibility toward the planet <p>Subject Focus: Science, Languages, PSPE</p>		