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| **Title:** | **Lego Mindstorm Robotics: A Gateway to Inquiry and Project Based Learning. (MORNING)** |
| Target Audience: | Grades 4-9 Educators |
| Presenter Biography: | **Cherise Bouvier** — Cherise has been teaching middle school in the Sooke School District for the last seven years. This is her third year as co-coach of the Lego Mindstorm Robotics team at Journey Middle School. As a classroom teacher and teacher-librarian she believes in the value of inquiry and project based learning and views Mindstorm Robotics as a great jumping off point for these approaches.**Kelly Dvorak** — Kelly is a teacher in the Sooke School District, having taught kindergarten through to middle school.  She is coaching a Lego Mindstorm team for the third year.  She is excited by inquiry and project based learning and the effect it has on the engagement of learners in a multiage environment.  |
| Workshop Summary:  | Robotics is a great way to get students working on problem solving, engineering, programming, and teamwork skills all at the same time. Come and join us as we introduce you to the basics of how to acquire a mindstorm robotics kit, how to develop challenges for your students, and provide some ideas for linking projects to curriculum. We will also introduce you to the inquiry based challenges developed by the First Lego League. Those that choose to form a team and tackle these challenges also have the option to go to local and international competitions. Come and join us for this basic introduction to Lego Mindstorm Robotics. This session will include a short robot demo but is not a building workshop. A building workshop is offered in the afternoon. (Everyone is welcome. No previous robotics, engineering, or programming skills required.) |

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| **Title:** | **Hands on with Lego Mindstorm Robotics (AFTERNOON)** |
| Target Audience: | Grades 4-9 Educators |
| Presenter Biography: | **Cherise Bouvier** — Cherise has been teaching middle school in the Sooke School District for the last seven years. This is her third year as co-coach of the Lego Mindstorm Robotics team at Journey Middle School. As a classroom teacher and teacher-librarian she believes in the value of inquiry and project based learning and views Mindstorm Robotics as a great jumping off point for these approaches.**Kelly Dvorak** — Kelly is a teacher in the Sooke School District, having taught kindergarten through to middle school.  She is coaching a Lego Mindstorm team for the third year.  She is excited by inquiry and project based learning and the effect it has on the engagement of learners in a multiage environment.  |
| Workshop Summary:  | Robotics is a great way to get students working on problem solving, engineering, programming, and teamwork skills all at the same time. Come and join us as we give you a bit of hands on experience building a Lego Mindstorms robot. We discuss some basic building skills and demonstrate the software associated with NXT robot bricks. Have you been interested in getting a club or class started at your school but want to know some fundamentals yourself before you jump in? If yes, then this workshop is for you. Our goal is to have you walk away with enough skills and confidence to get your students started on their own projects and challenges. |