

Dr. Losier Middle School

Design Block – Round 2 (Nov 8 – Dec 23)
Menu of Offerings

Project Title: Daily WOD in the Mezz- Core Strength Training

Number of Participants: 25

Project locations: Mezz

Project Purpose: The importance of Physical Fitness and a healthy lifestyle.

Learning Phase 1: The proper movements and techniques for safely using strength training equipment

Learning Phase 2: Students will research and learn about different exercises for strength training.

Learning Phase 3: Students will organize and lead sessions for the class each day.

Project Wrap-up/Display: No Final project for this design Block



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Project Title: Basketball 101

Number of Participants: 35

Project locations: Gym

Project Purpose: To improve basketball fundamentals and game strategy

Learning Phase 1: Finishing School - Finishing around the basket, with both hands from multiple spots

Learning Phase 2: Mid range jumper - if it was good enough for MJ, it's good enough for you :). Shooting fundamentals and shooting in your range will be stressed here.

Learning Phase 3: Offensive and Defensive footwork, positioning. and strategy.

Project Wrap-up/Display: A 3 - 3 tournament will be held during the final week of this design block.



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Project Title: WRED Jr.

Number of Participants: 25

Project locations: Classroom, library

Project Purpose: We are bringing WRED Jr. back! After a short break during the pandemic, we are ready to partner up with our JMH neighbors again, and bring WRED to the middle school. In the WRED Jr. Design Block, you will learn about living conditions in developing countries and the impact that project work can have in those countries. Keeping in line with the JMH vision of WRED, we will design a group logo, create and market a clothing line, and choose a charity in a developing country to support with our profits.

Learning Phase 1: Introduction to WRED and the developing world -

- a. What is WRED? Communicate with partners at JMH to learn about the origins of WRED and what our vision is for WRED Jr.
- b. Learning about living conditions in developing countries. Students will learn about the conditions that youth experience in the developing world. This empathy-driven learning will help them to understand the importance of being involved in social justice issues.

Learning Phase 2: Phase 2:

- a. Choosing a charity to support. Students will learn the difference between sustainable and unsustainable projects in developing countries. Students will choose a charity to support for their project.
- b. Creating a clothing line. Through a PBL structure, students will be grouped based on their interests into different teams: marketing, logo design, photography, ordering clothing, sales, finances. Each group will have a role to play in the creation of the clothing line.

Learning Phase 3: Phase 4: Education and Marketing: Students will be guest speakers in humanities classes to educate students on WRED Jr. and the importance of social justice in the developing world. Simultaneously, the marketing, sales, and photography teams will be gearing up to sell clothing.

Project Wrap-up/Display: WRED Jr. Clothing market. We will have this market within the school and will adhere to all COVID19 safety protocols.



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Project Title: Pneumatic devices

Number of Participants: 25

Project locations: Science Lab

Project Purpose: Students will learn how to build and operate a pneumatic device

Learning Phase 1: Students will build a small pneumatic device that can lift a small object off the table at least 40cm.

Learning Phase 2: Students will build a larger pneumatic device out of stronger materials that hold on object(block of wood) with it's arm. It will lift said object off the table.

Learning Phase 3: Students will adjust their device so that it not only picks up the object and lifts it, but also turns to put the object back down.

Project Wrap-up/Display: The project will culminate in a small competition: Pick up a block of wood, lift it up, turn and put it down on target.



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Project Title: Winter Themed Arts and Crafts

Number of Participants: 35

Project locations: Our classrooms. May put up display in lobby/cafeteria and/or on bulletin board.

Project Purpose: Students will learn to follow directions; to use paintbrushes, needle and thread, and other craft tools and implements; to show their creativity.

Learning Phase 1: Arts and craft basics - sketching, painting, planning and designing a range of small individual projects, and the opportunity to work on a larger group project.

Learning Phase 2: Students will make choices about which art or craft they would like to do, one that aligns with their interests.

Learning Phase 3: Students will complete a more complex project.

Project Wrap-up/Display: Students projects will be put on display as they are completed. Some crafts will be completed to share with others as a gift.



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Project Title: PowerPlay with Lasers

Number of Participants: 15

Project locations: Shop and computer lab

Project Purpose: Using the new DLMS GloForge, students will create holiday themed items that can be sold to the student body and the DLMS community.

Learning Phase 1: The students will research different customizable items that they can create using the GlowForge. They will market their creations, or special order custom creations, to parents and community members through the use of our school webpage and social media.

Learning Phase 2: Students will learn skills necessary to operate, safely, the new DLMS Glowforge.

Learning Phase 3: Students will construct or fabricate the creations they intend to take to market. Marketable items should be professional looking and have excellent value for the school community.

Project Wrap-up/Display: Once marketable items are selected the students will produce a limited number to sell in the Knight Store for a limited time (Holiday Season).



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Project Title: Breakfast Program

Number of Participants: 15

Project locations: Food Lab

Project Purpose: Students in this Design Block will learn how to plan and prepare different breakfast options.

Learning Phase 1: Commitments to Breakfast Program & Food Safety:

Students will learn safe food handling and food preparation guidelines and they will learn of their commitments to the Breakfast Program. They will work with Policy 711 and become familiar with what foods are acceptable to serve (following the nutrition policy). Students will create a weekly menu that will be posted and followed each week of the breakfast program.

Learning Phase 2: Food Prep:

Students will learn how to prepare a work station and prepare food for a single day of service in order to maximize efficiency. They will also learn how to properly clean up their work area and properly put away all supplies.

Learning Phase 3: Purchases & Inventory:

Finally, students will use the local flyers to decide what supplies need to be purchased at the end of each week. Students will also learn how to keep a log of supplies and keep an opening and closing inventory of food after each day.

Project Wrap-up/Display: Students work will be displayed each day during the Breakfast Program morning option. Students in this design block may have a specialty day where they are responsible for one days menu (example: smoothies, breakfast sandwiches, etc.)



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Project Title: The Social Club with MORE Services

Number of Participants: 12

Project locations: Mez and classroom.

Project Purpose: Looking for independent, responsible and outgoing students. These students will develop skills, compassion and plan hands-on experiences to deliver programming to offer to our friends at MORE Services. MORE Services is a non-for-profit agency in Miramichi, which assists and supports individuals with intellectual disabilities. These individuals will come once a week to participate in our programming. The students of the DLMS Social Club will be assigned a Friend from MORE Services, for the duration of the program. They will build a friendly relationship with their Friend, while catering to their interests and needs when deciding on programming.

Learning Phase 1: Students will have a chance to meet their assigned Friend from MORE Services. They will learn about their interests and develop and plan activities for their Friend.

Learning Phase 2: Students will continue to develop a relationship with their Friend. Life skills, as well as communication skills, will be a focus.

Learning Phase 3: Students are expected to have direct interactions with their Friend. Students must be flexible, learning that not all things thoroughly planned out will go as expected and to be able to be flexible in how the afternoon plays out.

Project Wrap-up/Display: At the end of the Term, students should feel confident in their relationship with their Friend. They will have experienced personal growth, compassion and skills that have made them become a better version of themselves.



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Project Title: Making a Rock music Video

Number of Participants: 15

Project locations: TheAtre and classroom

Project Purpose: They will learn concepts of the making of a video and they will create and develop their own video from a favourite song of their choice

Learning Phase 1: Students will view music videos and documentaries of how to make music videos that impress. They will look at behind the vinyl clips to learn about how musicians come up with the end result.

Learning Phase 2: Students will learn concepts of the green screen and performing arts concepts for their video.

Learning Phase 3: Students will create a music video

Project Wrap-up/Display: Students videos will be uploaded to the workshop site for viewing.



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Project Title: Creative Painting : Knight Pride Mural

Number of Participants: 20

Project locations: art room / gym

Project Purpose: Explore and develop painting skills and creativity

Learning Phase 1: Students will meet and work with a professional artist who will teach the process of creating murals.

Learning Phase 2: Students will get to experience working with the artist to paint a Knight Pride mural in the school gym.

Learning Phase 3: Students will put into practice their painting skills and creativity to create their own mural on a large canvas.

Project Wrap-up/Display: The creation of a large mural in the gym and a personal small mural that will be displayed in the school.



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