Title	Reconfiguring Creation: A 4Dframe Modeling Approach to Integrating Biblical Order and Mathematical Patterns
Topic/Field	Engineering and applied sciences
Target audience	Family

This presentation aims to shed new light on the harmonious interplay between biblical narratives and mathematical aesthetics by leveraging linear modeling techniques. The lecture presents a comprehensive framework that transforms simple two-dimensional designs into sophisticated three-dimensional structures, symbolically depicting the orderly unfolding of the creation sequence as described in the Bible. Its scope encompasses both the creation order detailed in Genesis Chapter 1 and the narrative of Noah's Ark from Genesis 7:1 through Genesis 8:22.

By utilizing an innovative 4Dframe linear modeling kit equipped with tube-shaped connectors and over twenty adjustable connecting components, the process of constructing various geometric forms is envisioned to start with the assembly of basic two-dimensional shapes, gradually evolving into complex three-dimensional models. This sequential development symbolically represents the progressive unfolding of creation—that is, the divine order of creation as depicted in the Bible. Fundamental mathematical concepts found in nature, such as the Fibonacci sequence, fractal geometry, and the golden ratio, are integrated to vividly visualize natural harmony, thereby reaffirming the truth of biblical creation in the real world while emphasizing the continuous relationship between inherent natural order and mathematical precision.

Through the application of 4Dframe linear modeling, participants are encouraged to explore how basic shapes can be reassembled into intricately composed structures. This process effectively conveys the abstract concepts of order and structure in tangible form. Additionally, the modeling activity extends to patterns repeatedly observed in nature—such as shells, plants, and branches—demonstrating how the geometric designs present in nature reflect the fundamental divine order and mathematical patterns inherent in creation.

Similarly, the discussion of Noah's Ark is approached comprehensively. Rather than focusing solely on the ark itself, the process also includes the imaginative modeling of its essential elements, such as humans, animals, and seeds of plants. This expanded analysis not only explores the symbolic message of salvation and restoration but can also be extended to a detailed examination of the ark's architectural techniques, dimensions, and engineering stability. Such insights underscore how proportional relationships and structural design can reveal the profound providence of God in the salvation of humanity.

In conclusion, this presentation proposes a new perspective that regards both the Bible and the created natural world as a window into wisdom for dynamically understanding modern mathematics, suggesting that by fusing these elements, the inherent order in creation can be reconstituted. This approach deepens the dialogue between faith and science, presenting systematic linear modeling as yet another effective method for structuring complex creation patterns. It offers an opportunity to immerse oneself in and actively engage with the order of creation, thereby reemphasizing the ongoing conversation between spirituality and empirical observation.

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Author's organization and appointment	CEO, 4D Land, Inc.

Curriculum Vitae

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CEO, 4D Land, Inc

■ Education

- M.A. in Social Welfare (Silver Industry), Hansung University Graduate School (2021)
- B.A. in Early Childhood Education, Asia United Theological University (Acts University) (1991)

■ Career Highlights

- CEO of 4D Land Inc. (2003–Present)
- Executive Director of FAS(Foundation for the Advancement of STEAM) (2013–Present)
- Vice President of Korea Women Venture Association (2015–Present)
- Director of Senior Venture Association (2021–Present)
- 2021–Present: Instructor for Special Programs (사랑 on, Sarang on) at Marathon Welfare Foundation
- 2020–2021: Lectured at Misa Library in Hanam (Early Childhood) and Ujangsan Forest Library (Elementary)
- 2019–2020: Conducted [4D Frame STEAM Creativity Training] - Parent Study Specialist Course at Osan Education Foundation
- 2019: Conducted Level 3 Creative Mathematical Science Education Instructor Training for "Accidental Middle-Aged Blossoms Happiness Plus Project" in Yangpyeong
- 2018: Invited to Uzbekistan Economic Delegation Visit – Signed MOU with Ministry of Preschool Education
- 2017: Invited to CET (Center for Educational Technology) EdTech Forum (Israel) & Lecturer at Jerusalem College of Technology

■ Awards

- 2024. 03. Gyeonggi Province Certified Sincere Taxpayer
- 2023. 12. Mayor of Guri Commendation
- 2023. 06. Minister of Education Commendation
- 2022. 08. AI Frenz Best Paper Award
- 2021. 11. Minister of Gender Equality and Family Commendation
- 2020. 11. Best Paper Award, Open Early Childhood Education Association
- 2017. 02. Minister of SMEs and Startups Award

■ Certifications

- 2022. 06. Level 2 Lifelong Educator (Ministry of Education)
- 2019. 05. Level 1 Senior Psychological Counselor (Korea Senior Welfare Promotion Association)
- 2017. 03. Social Welfare Worker (Ministry of Health and Welfare)

- 2015. 07. Character Education Counselor (Korea Certification Evaluation Institute)
- 2015. 07. Level 2 After-School Childcare Instructor (Korea Certification Evaluation Institute)

■ Publications & Research

- 2017: 4Dframe Topic-focused Education Program for Early Children 2. Advanced, Emotion Media
- 2017: 4Dframe Topic-focused Education Program for Early Children 1. Basics, Emotion Media
- 2016: Educational Book series ‘Math Creativity and Science Exploration’, 4D Math and Creativity Research Institution

■ Academic Research

- 2024: Development of 4DBlock pattern recognition and visualization AI mode, *THE Next Generation Frontiers of STEAM* 1(1), 103~109.
- 4Dblock AI 패턴인식 및 시각화 모형 개발 THE Next Generation Frontiers of STEAM, 1(1), 103~109.
- 2021: An Ethnographic Case Study on the Children’s play: Focusing on 4D Frame, *The Journal of Learner-Centered Curriculum and Instruction* 21-(17), 485-502.
- 2021: Effects of early childhood mathematics education classes using 4D frames based on problem-based learning (PBL) on the pedagogical content knowledge of mathematics, mathematics teaching efficacy, and creative attitude, *The Journal of Korea Open Association for Early Childhood Education* 26-(1), 1-26.
- 2021: Development and Effects of 'Cognitive Function and Quality of Life Improvement Program' for the middle-aged, M.A. Thesis, Hansung University
- 2018: The Effects of Mathematical Activities using 4D-Frame on Young Children's Mathematical Ability and Attitude towards Mathematics, *The Korea Academia-Industrial cooperation Society* 19-(8), 146-159.