



Learn Dynamo

Lesson 11

Lesson 11

Surfaces



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Recap

9 – 12: Geometry Fundamentals

9: Points & Lines

10: Curves & Edges

11: Surfaces

12: Solids & Revit Massing

12D: Demonstration – Tower Generation

Conclusion

13: Where to from here?



A faint, light gray background graphic consisting of a network of interconnected dots and lines, resembling a molecular structure or a complex web, extending across the right side of the slide.

Previously...

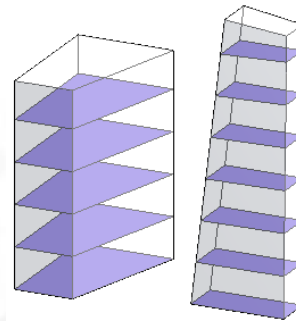
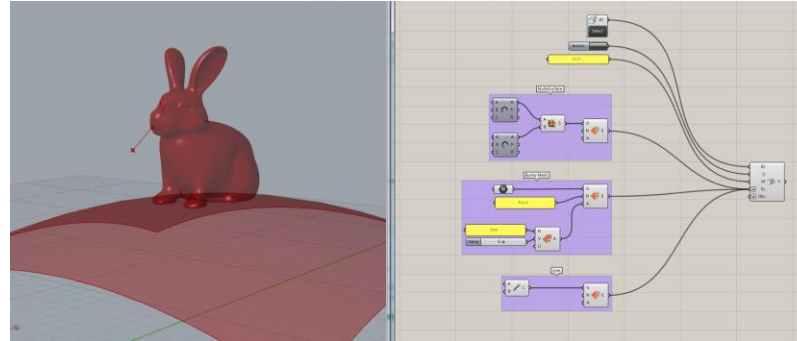
We've dealt with Edges and Curves

On to **Surfaces!**



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Keeping it Revit focused



<Mass Floor Schedule>				
A	B	C	D	E
Usage	Level	Mass: Type	Floor Area	Floor Area %
Offices	STR_04_Level4CL	Tower 1	28 m²	4%
Offices	STR_05_Level5CL	Tower 1	26 m²	4%
Offices	STR_06_Level6CL	Tower 1	24 m²	4%
Offices: 3			79 m²	12%
Residential	STR_01_Level1CL	Tower 1	35 m²	5%
Residential	STR_02_Level2CL	Tower 1	33 m²	5%
Residential	STR_03_Level3CL	Tower 1	31 m²	4%
Residential	STR_04_Level4CL	Tower 2	97 m²	14%
Residential	STR_05_Level5CL	Tower 2	97 m²	14%
Residential: 5			293 m²	43%
Retail	STR_07_Level7CL	Tower 1	22 m²	3%
Retail	STR_01_Level1CL	Tower 2	97 m²	14%
Retail	STR_02_Level2CL	Tower 2	97 m²	14%
Retail	STR_03_Level3CL	Tower 2	97 m²	14%
Retail: 4			313 m²	46%
Grand total: 12			685 m²	100%

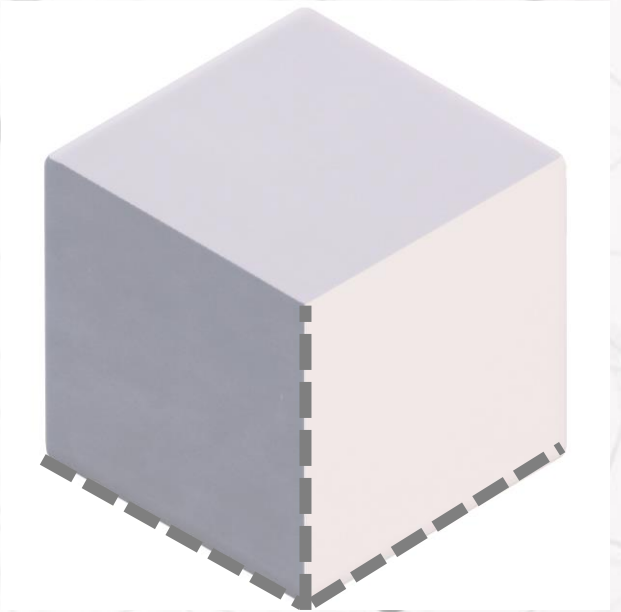
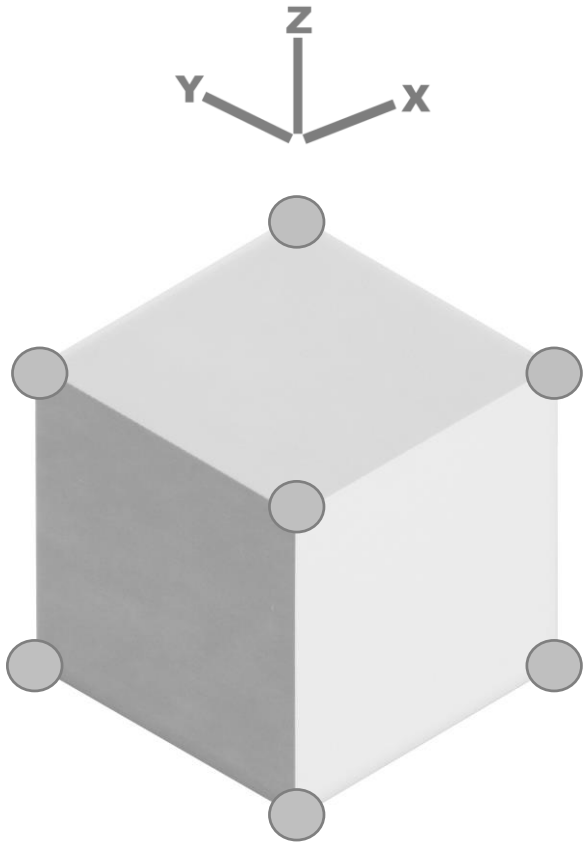


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In a nutshell

Coordinates Systems
& Points, Vectors

Curves/Lines/Edges
Polycurves & Polygons

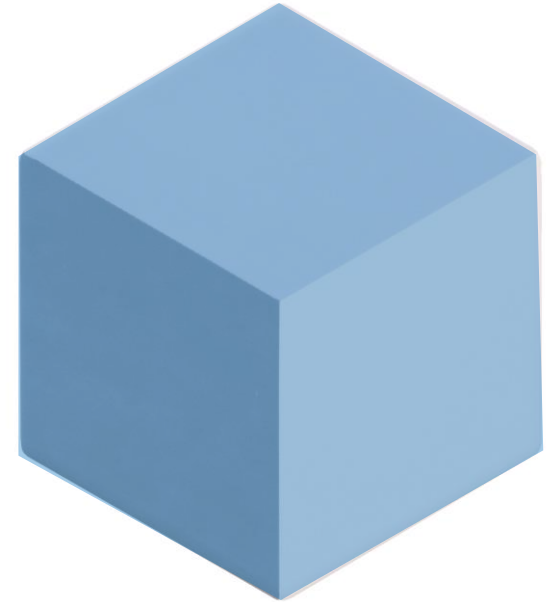
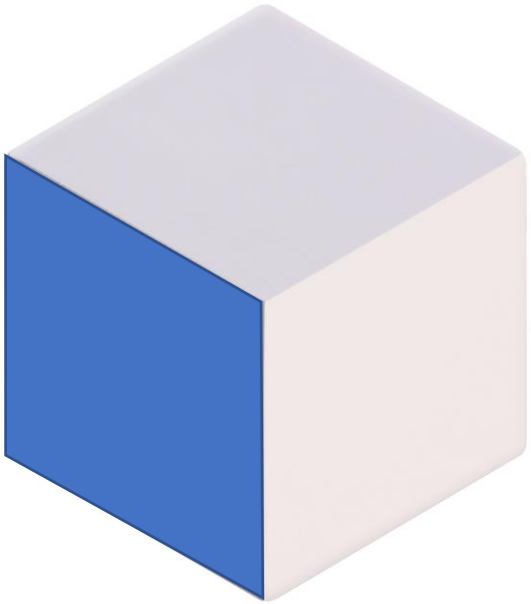


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In a nutshell

Surfaces/Faces
Polysurfaces

Meshes
Solids



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What about Solids?

Next session



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Straight to Dynamo

No time to waste!



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Finding Help!

Dynamo Primer

<https://primer.dynamobim.org/>

Dynamo Forums

<https://forum.dynamobim.com/>



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Next: Lesson 12

Solids & Revit Massing



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