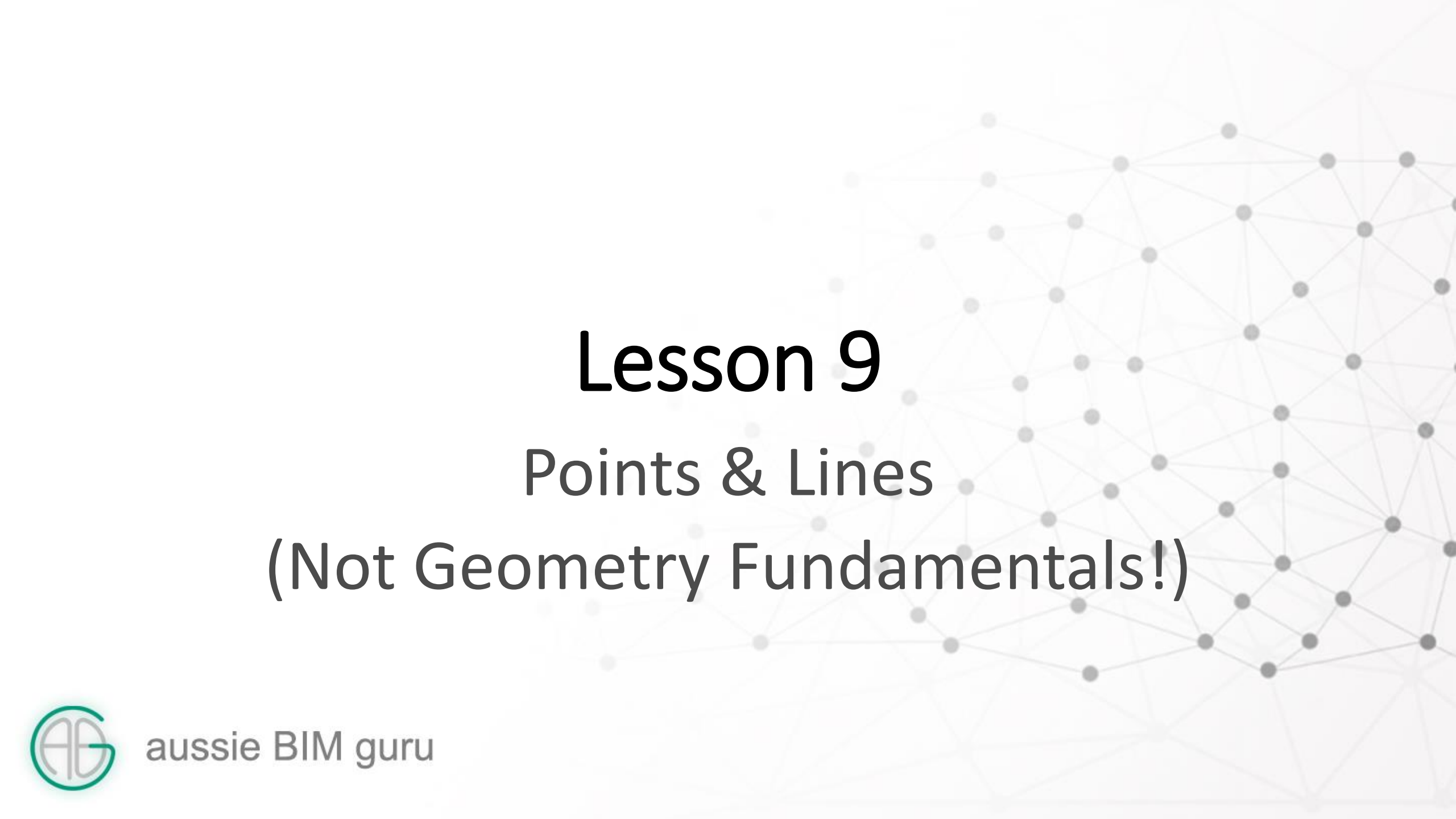




Learn Dynamo

Lesson 9

A background network diagram consisting of numerous grey dots connected by thin grey lines, forming a complex web-like structure that fills the right side of the slide.

Lesson 9

Points & Lines

(Not Geometry Fundamentals!)



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Recap

9 – 12: Geometry Fundamentals

9: Points & Lines

10: Curves & Edges

11: Surfaces & Solids

12: Dynamo to Revit Massing

12D: Demonstration – Tower Generation

Conclusion

13: Where to from here?



Previously...

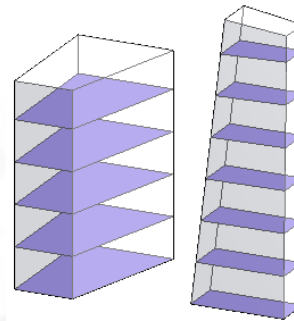
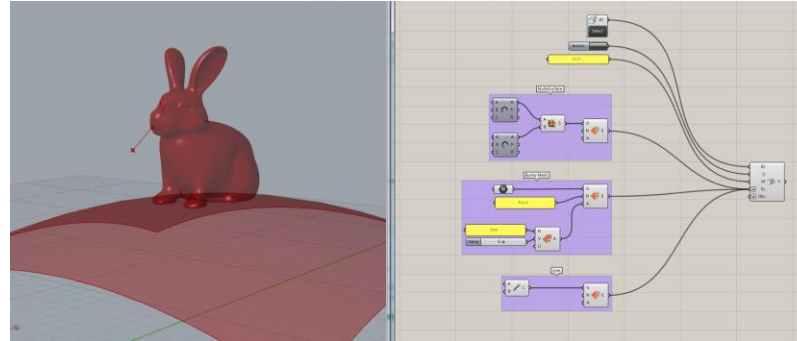
We've dealt with data and elements

Now let's work with its **geometry!**



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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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New terms to learn



~~References~~
~~Lines~~

Points
Lines
Edges

~~Reference~~
~~Planes~~

Planes
Surfaces
Faces

~~*Extrusion*~~
~~Blend~~
~~*Sweep*~~

Solid
Loft
Cuboid

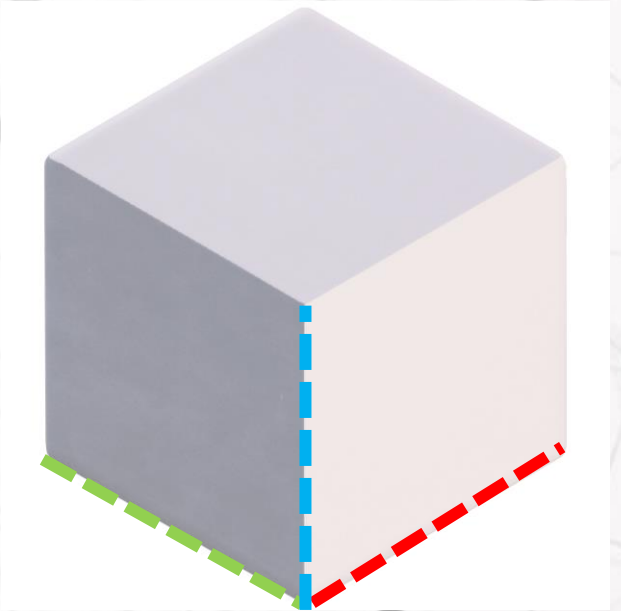
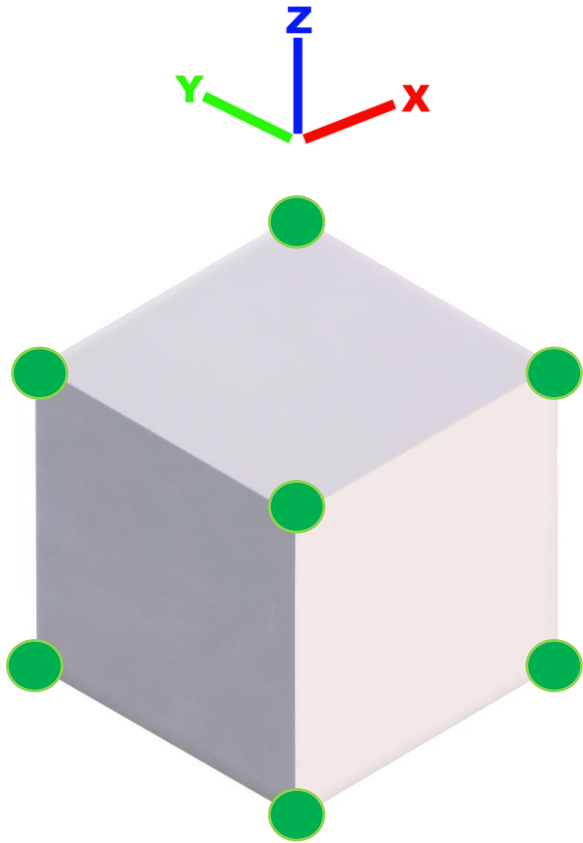


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In a nutshell

Coordinates Systems & Points

Curves/Lines/Edges
Vectors
Polycurves & Polygons

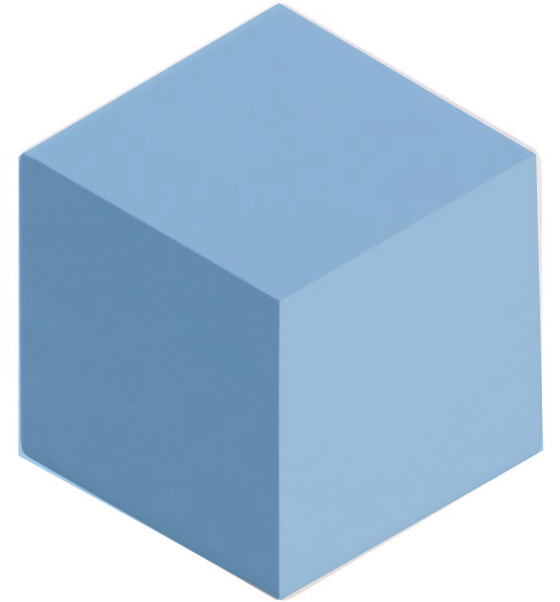
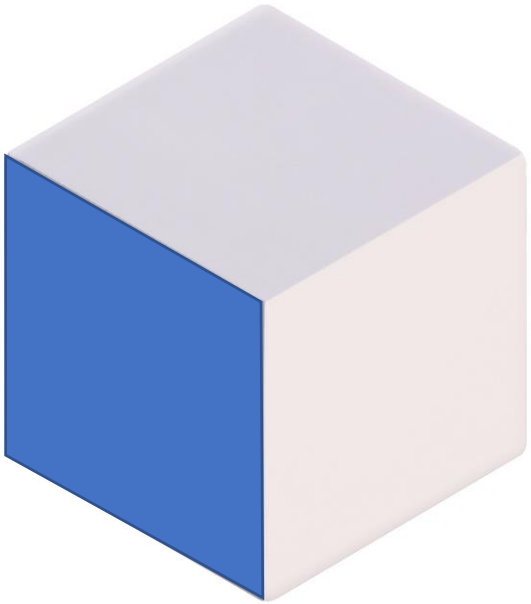


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In a nutshell

Surfaces/Faces
Polysurfaces

Meshes
Solids



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Where do we begin?!

Points & Lines

But...

We may use other types of
Geometry before their lessons
(if needed!)



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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 10

Curves & Edges



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Learn Dynamo

Lesson 9