

Locusforge — Concept Poster

Print this and pin it up — an at-a-glance map of the Locusforge cast and the ideas each one carries. Come back to it whenever you want to remember who teaches what.

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Meet the cast — and what each one teaches

Character	What they carry
Pell	Construction / compass-straightedge
Vireo	Congruence & similarity
Cosima	The drag-invariant / conjecture
Renard	Formal proof / justification
Talise	Coordinate geometry
Osgood	Circle theorems
Castell	Transformations & symmetry
Orin	Trigonometry / unit circle
Alba	3D & cross-sections
Adisa	(Mentor) — guides reflect-on-approach

Key ideas at a glance

The big concepts this cast helps you master:

- Constructions — compass and straightedge
 - Angles and lines — parallel lines and angle relationships
 - Triangle congruence — SSS, SAS, ASA, and CPCTC
 - Similarity — same shape, proportional size
 - Right-triangle trigonometry and the Pythagorean theorem
 - The unit circle — angles and coordinates
 - Circles — inscribed and central angles, chords
 - Coordinate geometry — distance, midpoint, and slope proofs
 - Transformations — rigid motions and dilation
 - Quadrilaterals — properties and classification
 - Polygons and area — perimeter, area, and regular polygons
 - Three-dimensional solids — volume, surface area, and cross-sections
 - Conic sections — slicing a cone
 - Vectors — magnitude, direction, and operations
 - Proof and justification — from conjecture to certainty
 - Capstone — conjecture and prove a locus or construction
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