Construction Area Progression Map

Progression of Skills	Resources
Creating a structure • Uses resources to build towers. • Builds vertical models. **Spatial Awareness** • Constructs in a large space with large blocks. • Constructs in a small space with small blocks. **Constructing with a purpose in mind** • Has an idea about what they will build before they begin. • Selects resources they need as they go.	• Duplo • Stickle bricks • Mobilo • Small block • Large blocks • Natural resources, e.g. shells, pebbles, sticks • A range of open ended and themed small world resources • Photos of different buildings
Creating a structure • Uses resources to construct buildings. • Positions resources both vertically and horizontally. **Spatial Awareness** • Connects buildings and structures (e.g. putting a road between buildings). • Select the appropriate sized blocks/construction resources for their chosen purpose. • Select the appropriate sized blocks/construction resources for chosen workspace. • Understands safety elements (e.g. if tower is taller than themselves then it might hurt them if it falls). **Constructs with a purpose in mind** • Knows what they want to build when they begin to construct. • Plans what they will use. • Chooses small world resources to enhance construction.	• Lego • Mobilo • Small blocks • Large Blocks • Bamboo stilts and platform • Marble run • Squared paper • Fabric • Natural resources, e.g. shells, pebbles, sticks • Loose parts • A range of open ended and themed small world resources • Clipboards, plain paper, pencils and other drawing implements
Creating a structure • Combines resources to create a structure. • Builds more elaborate structures. • Includes systems (e.g. pathways, roads, bridges etc) and adds detail to structure. • Ensures model is stable. **Spatial Awareness** • Build a house/model with different rooms or different parts. • Uses smaller blocks/construction tools to create intricate structures. **Constructs with a purpose in mind** • Change, adapt and modify model to serve a purpose. • Combine construction resources to create model. • Creates a design before they construct. • Chooses appropriate small world resources to enhance construction.	• Small blocks • Nuts and bolts • Handles • Wheels and axels • Knex • Squared paper/design sheets • Fabric • Natural resources, e.g. shells, pebbles, sticks • Loose parts • A range of open ended and themed small world resources • Spanner, screwdriver, hammer (child-safe tools) • Rulers, measuring tape

Construction Area Progression Map

Area-Specific Vocabulary	Key Questions
<u>Core</u> Build, make, fit, join, fix, mend, turn, spin, move, push, clip, balance Plan, draw, write Tall, short, taller, shorter, big, small, bigger, smaller Wood, metal, plastic, cardboard On top, underneath, next to, beside, inside, outside, behind, in front, between Strong, bendy, hard, soft, thick, thin, clear House, tower, town, shop, building Walls, roof, windows, door, rooms, wheel Round, flat, pointed, corner, curved Circle, square, rectangle, triangle, semi-circle Brick, piece Top, bottom, middle <u>Extended</u> Fasten, attach, connect Measure, repair, design Stack, collapse, combine, slot, rotate, twist Wide, narrow, wider, narrower, high, low Transparent, flexible, weak, rough, smooth Overhang, supports, stable Temple, church, mosque, landmark, shelter Frame, bridge, arch, system, structure, hinge, handle Cube, cuboid, pyramid, cone Horizontal, vertical	• What are you building/making? • Can you tell me about what you are making? • Can you draw your idea? • What are you using to make it? • What type of material is it made from? • Why have you built a…? • What makes this building a ….? • Why did you choose to use…? • What could this be used for? • How could we change this part? • How did you fit these pieces together? • What could you add to your creation to make it even better? • Can you describe the different parts? • What could you use/try instead? • How could you make it stronger/ taller/wider? • What shape or size piece will fit here? • Where could we put this piece? • What shall we try next? • I wonder how we could make a… • Can you show me how you joined these pieces together? • Which method worked best? • What else could we try? • Can you tell me what you've made? • Can you take a photo of your model? • How are your models similar/different? • Do you want to change anything? • Would you do anything differently next time? • Shall we make a sign for your model to tell other people about what you've made?