Building and Growing a Sustained Manufacturing Talent Pool

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Workforce in Numbers...

107,000 **Medicines Manufacturing Labour Force*1**

New Staff Required by 2025 to Meet Demand*2 32,000.
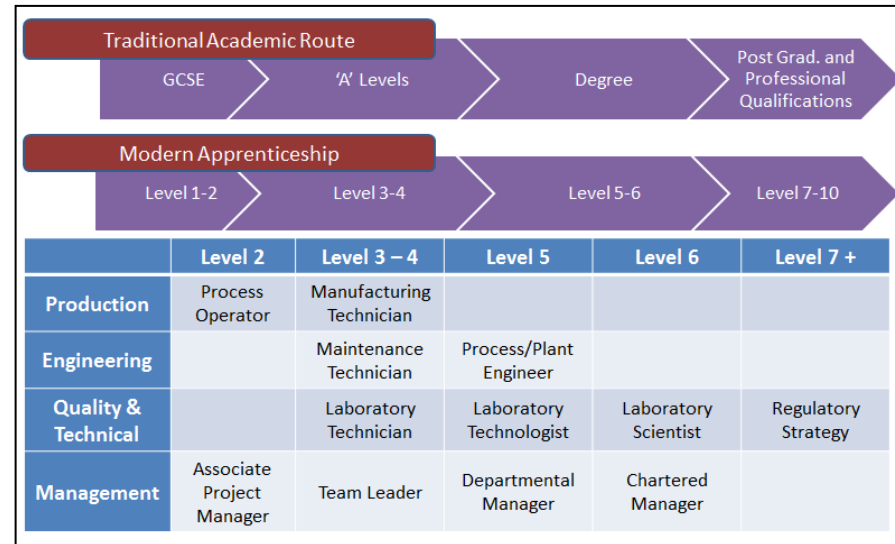
54% **Technical Level Jobs*2**

*1 – Strength and opportunities report 2015
*2 – SIP Skills Strategy 2016

Demand Driven - Curricula

Ensure the education system and <u>curricula</u> can meet the demands of our industry

- Input into the Government's Industrial Strategy.

- Support the Life Science and Industrial Trailblazer Group in the development of new apprenticeship standards.

- Feedback to Colleges and Universities on your requirements and expectations.

Traditional Academic Route			
GCSE	'A' Levels	Degree	Post Grad. and Professional Qualifications

Modern Apprenticeship			
Level 1-2	Level 3-4	Level 5-6	Level 7-10

	Level 2	Level 3 – 4	Level 5	Level 6	Level 7 +
Production	Process Operator	Manufacturing Technician			
Engineering		Maintenance Technician	Process/Plant Engineer		
Quality & Technical		Laboratory Technician	Laboratory Technologist	Laboratory Scientist	Regulatory Strategy
Management	Associate Project Manager	Team Leader	Departmental Manager	Chartered Manager	

- MMIP: Map the current HE offering in relation to industry specific courses and determine gaps.

Demand Driven - Facilities and Provision

Ensure suitable <u>facilities and providers</u> are available to develop a skilled workforce in current and emerging technologies

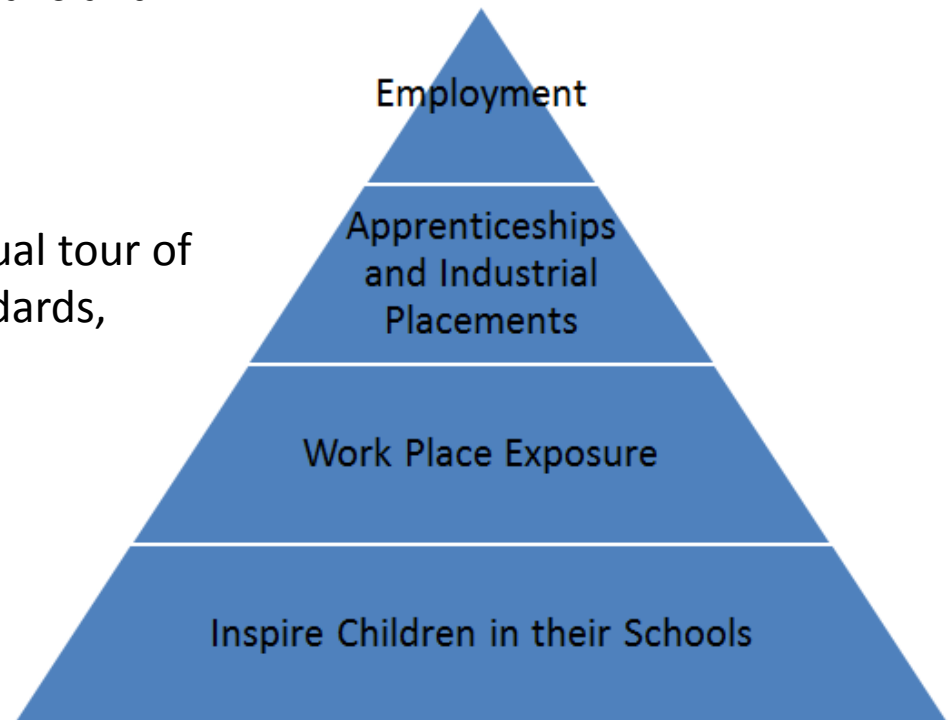| Schools	Colleges	Universities	Specialist Providers

- Practical skills to compliment theoretical knowledge
- Select and partner with Colleges and Universities
- Partner with other companies in your supply chain and local area
- Leverage professional bodies

- MMIP: Deliver on the Advance Therapy Manufacturing Taskforce Report recommendations.
- MMIP: Establish if there is a roll for Technical Colleges to support manufacturing clusters and local colleges to support businesses.

Filling the Demand

Attract, retain and develop the Medicines Manufacturing workforce of the future.

- Inspire the young to follow STEM subjects , inform children and teachers of career paths and expose student to the workplace – STEM and SIP Ambassador

- Attract the next generation of technicians and graduates into the industry.

- MMIP: Work Experience tool kits, virtual tour of manufacturing plant, apprentice Standards, blogs and case studies.

- SIP: SIP Ambassadors, ATA

SIP
Science Industry Partnership

Employment

Apprenticeships and Industrial Placements

Work Place Exposure

Inspire Children in their Schools

The Medicines Manufacturing Industry needs to attract 3 new people for every 100 it employs each year from now till 2025!