

## 1 ABSTRACT

Maths and science excellence is the driving force for individual and economic development, yet it is still a major challenge to most learners. This paper addresses challenges faced by rural communities in STEMI learning and unemployment through a variety of initiatives and partnership with other stakeholders.

## 2 INTRODUCTION

- “SA ranked last in Maths and Science education” WEF Global information,2016
  - “SA unemployment rate is at a high of 27,7%,of which 33,1%(~1.1M) are youth with education level less than matric” Stats SA,2017
- Contributing factors include: lack of resources, Ideal ECD programmes, lack of parental involvement ,teacher competencies, remedial programmes, values and attitudes

The vision is to engage 5-18 years old through a system that would empower them to reach full potential, thereby reduce the gap of school drop outs and youth unemployment in communities we serve.

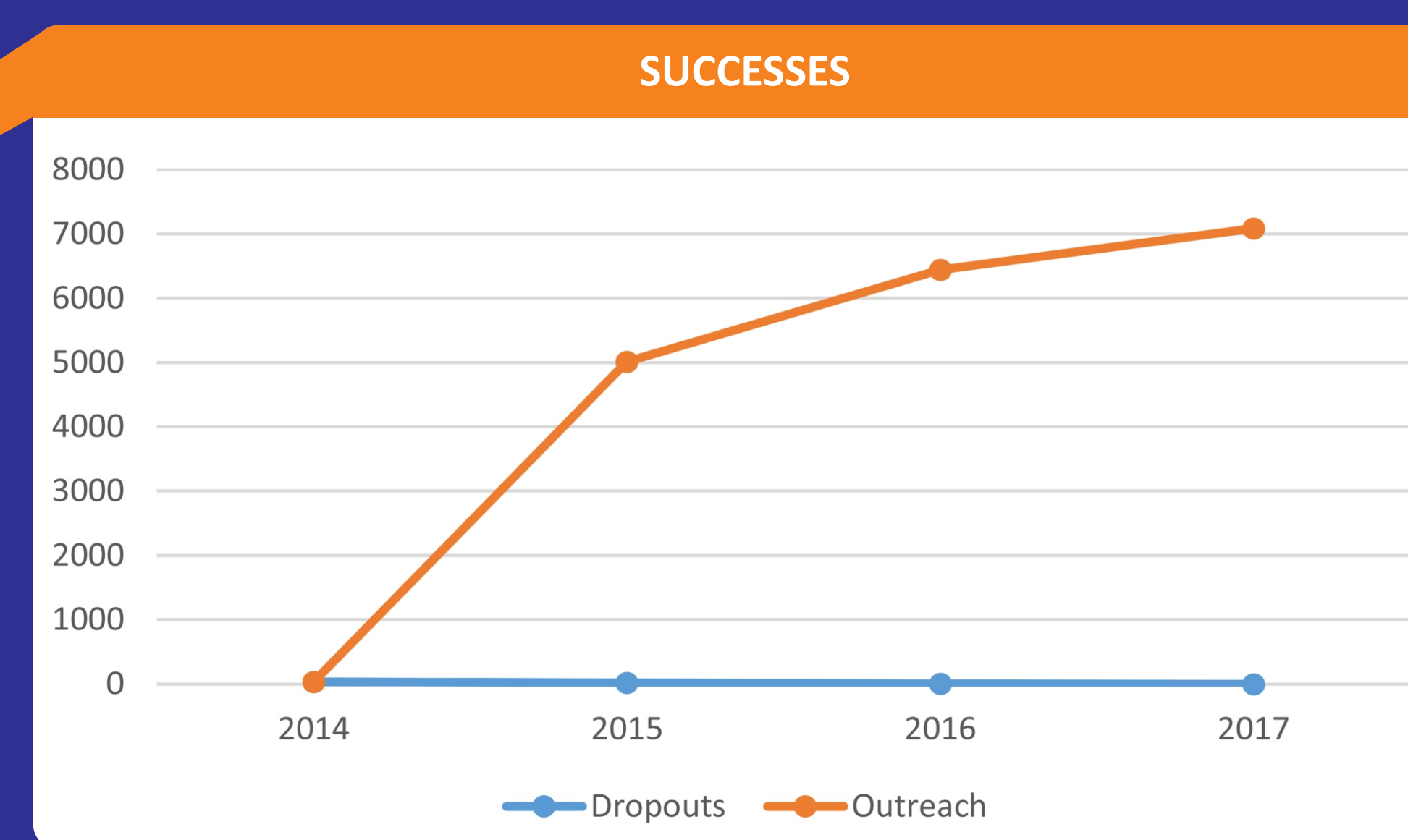


### CHALLENGES

- Over crowdedness
- Tracking Progress

### SUCSESSES:

- Commitment and positive feedback from target audience
- 90% reduction in drop out rate at secondary school
- Outreach programmes growth of 10% from 2016
- Evident Maths and Science Excellence
  - Job/study opportunities

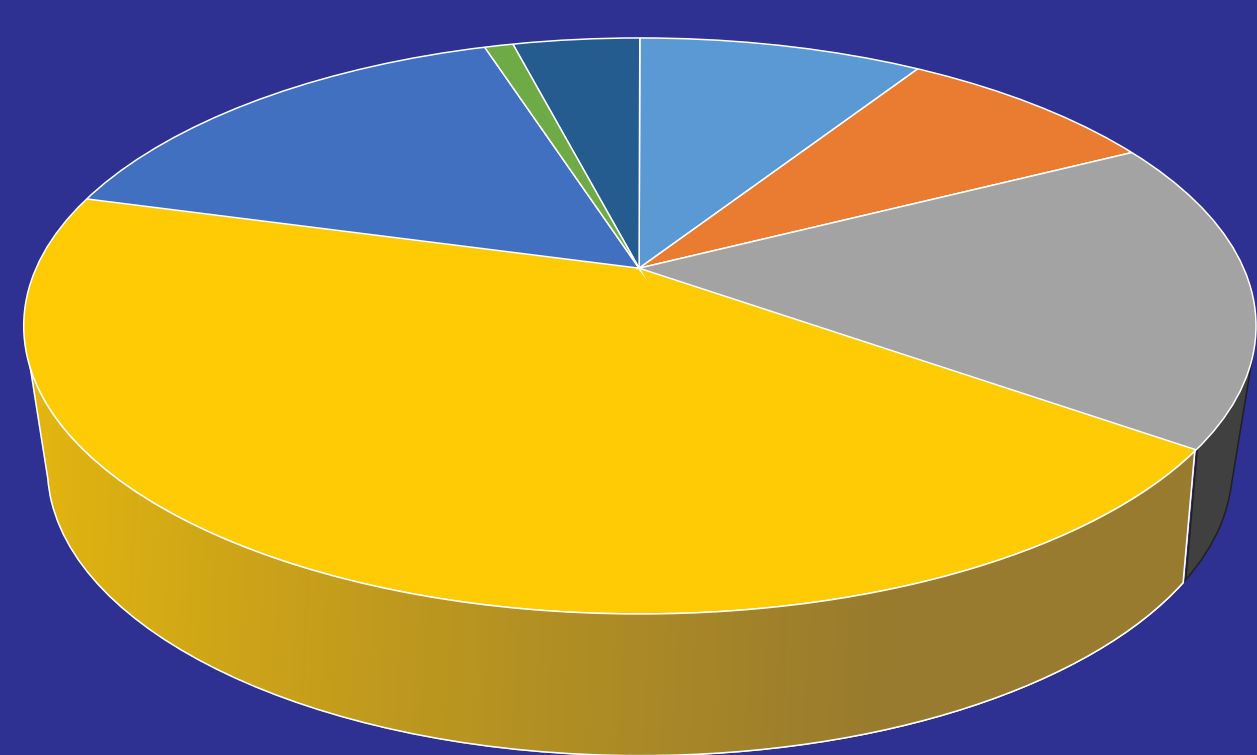


YEAR	MATHS	LEVEL 7	PHYSICAL SCIENCES	LEVEL 7	LIFE SCIENCES	LEVEL 7
2014	20%	1	30%	0	58%	2
2015	30.7%	4	49%	3	68%	5
2016	58.8%	12	58%	6	80.8%	8

## 3 DISCUSSION

### STRATEGY

- Adopt 6 primary and 6 secondary schools in Amajuba District, KZN, on a three year rotational cycle support programme with emphasis on ECD, practical work, problem solving, vocational learning and teacher development
- Knowledge/skills Hub for out of school youth
- Add hope to drug rehabilitation centre service users



- 8,9% Grade R
- 8,5% Grades 1-3
- 17,5% Grades 4-7
- 44,7% Grades 8-9
- 15,5% Grades 10-12
- 0,9% Rehab
- 4% Teachers

## 4 CONCLUSION

- ARCELORMITTAL SCIENCE CENTRE will continue to work with other stakeholders to enhance social upliftment and economic empowerment
- We are open for collaboration of any kind

### REFERENCES

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