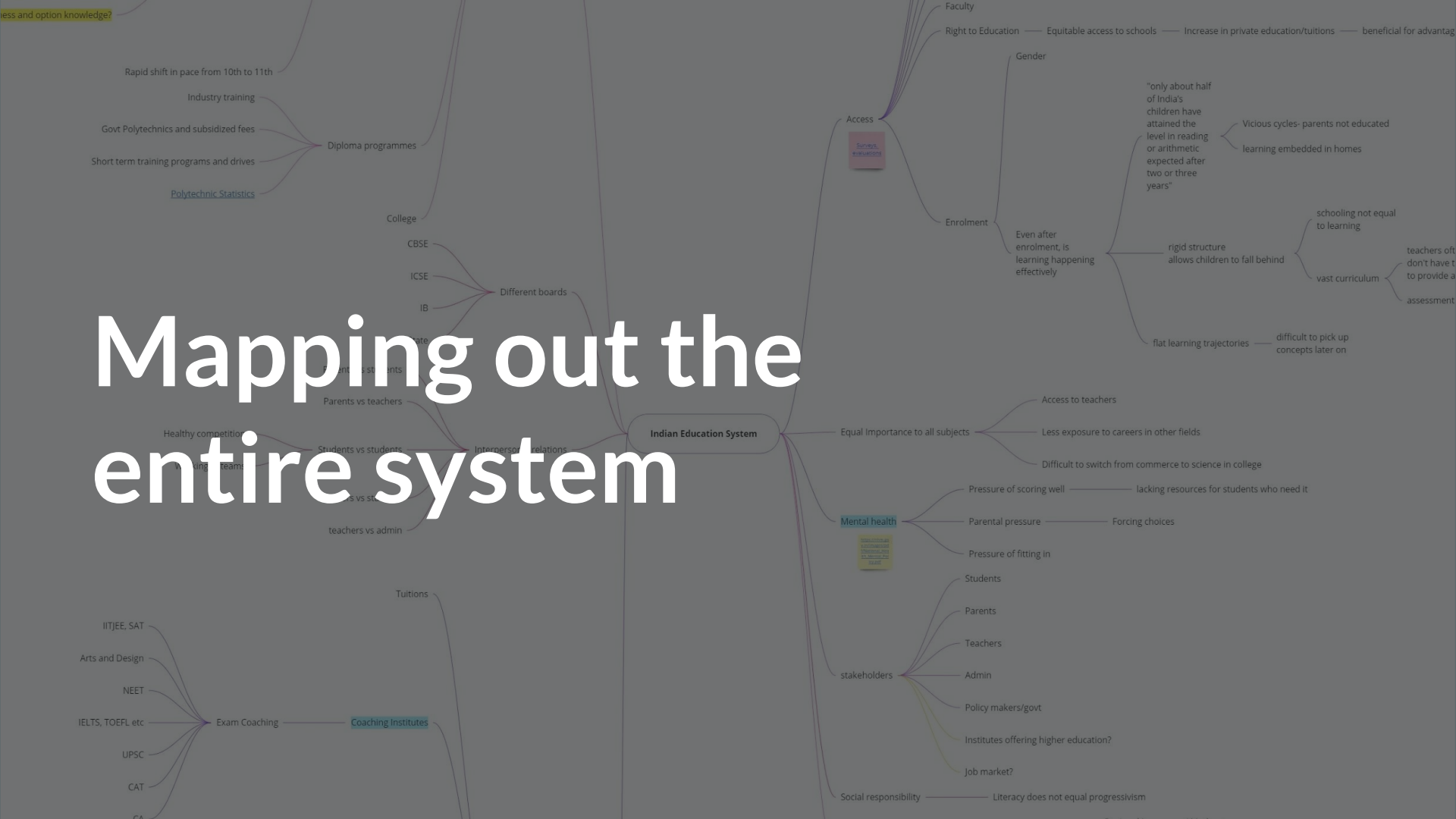
Indian Education System

Team Placeholder
Avinash Krishna Medhavi

Mapping out the entire system



- **Indian Education System**
  - Levels of education
    - Primary
      - Montessori
      - Leaving comfort of home
      - Social skills, being part of a community
    - Middle
      - Necessary Subjects
      - Compulsory Education
    - Higher secondary
      - Subject streams
      - Entrance exams and coaching
      - Board examination
      - After school decisions
        - Courses
        - College choices
        - Awareness and option knowledge?
          - WYNT
          - Career guides and counsellors
    - Diploma programmes
      - Rapid shift in pace from 10th to 11th
      - Industry training
      - Govt Polytechnics and subsidized fees
      - Short term training programs and drives
      - Polytechnic Statistics
    - College
  - Different boards
    - CBSE
    - ICSE
    - IB
    - State
  - Interpersonal relations
    - Parents vs students
    - Parents vs teachers
    - Students vs students
      - Healthy competition
      - Working in teams
    - teachers vs students
    - teachers vs admin
  - Alternate Learning methods
    - Tuitions
    - Coaching Institutes
      - Exam Coaching
        - IIT/JEE, SAT
        - Arts and Design
        - NEET
        - IELTS, TOEFL etc
        - UPSC
        - CAT
        - CA
    - Distance learning programmes
      - None for school students?
    - Open schooling
      - Home schooling
        - http://swashikshan.org/
      - Learning centres
      - Board options
        - NIOS
          - CBSE/ CISCE Equivalent
        - EDEXCEL
          - UK 'A' level exams
      - How "Open" is Open School in India?
        - Who all access open schooling
    - Pathashaala kinda schools
      - Life skills and sustainability schools
      - Yoga, music and dance, martial arts etc ashram schools
      - Rural and tribal schools
    - Skill development programmes
      - NSDC and DGT
        - Pradhan Mantri Kaushal Vikas Yojana (PMKVY)
          - Youth targeted
            - 15,94,183 people have been provided short term training under PMKVY during 2017-18
            - even after completing skill training, placement opportunities come few and far between
            - Trained/ placed stats
          - Certification and training programs
        - Rural and urban women skill development
    - NGOs
      - Community support and learning
  - Access
    - Quality education
    - Resources
    - Special needs
    - Geopolitics
      - naxal area
    - Economic strata
    - Faculty
    - Right to Education
      - Equitable access to schools
      - Increase in private education/tuitions
      - beneficial for advantaged students
    - Enrolment
      - Gender
      - Even after enrolment, is learning happening effectively
        - "only about half of India's children have attained the level in reading or arithmetic expected after two or three years"
          - Vicious cycles- parents not educated
          - learning embedded in homes
        - rigid structure allows children to fall behind
          - schooling not equal to learning
          - vast curriculum
            - teachers often don't have time to provide aid
            - assessment and remedial system
        - flat learning trajectories
          - difficult to pick up concepts later on
  - Equal importance to all subjects
    - Access to teachers
    - Less exposure to careers in other fields
    - Difficult to switch from commerce to science in college
  - Mental health
    - Pressure of scoring well
      - lacking resources for students who need it
    - Parental pressure
      - Forcing choices
    - Pressure of fitting in
  - stakeholders
    - Students
    - Parents
    - Teachers
    - Admin
    - Policy makers/govt
    - Institutes offering higher education?
    - Job market?
  - Social responsibility
    - Literacy does not equal progressivism
  - India Specific issues
    - Language
      - Regional Languages/ Mother tongue
      - Local language and immigrants
      - ENGLISH
    - Some questions on IT Mess

Parts of the system - Breakdown

Narrowing the topic

Secondary Education

9th - 12th Grade

Diploma

Evolution

- Existing structure/ policies
- Limitations
- Financial aid
- Enrolment and other challenges
- Affirmative action

Studies

- Teaching
- Learning
- qualifications
- how do classes happen
- other quantifiable factors eg; teacher-student ratio
- mentoring?
- activity oriented more hands on

Decisions

- Streams
- Extra curricular
- Options and their feasabilities
- boards
- Career guidance and counsellors
- coaching?
- gap year

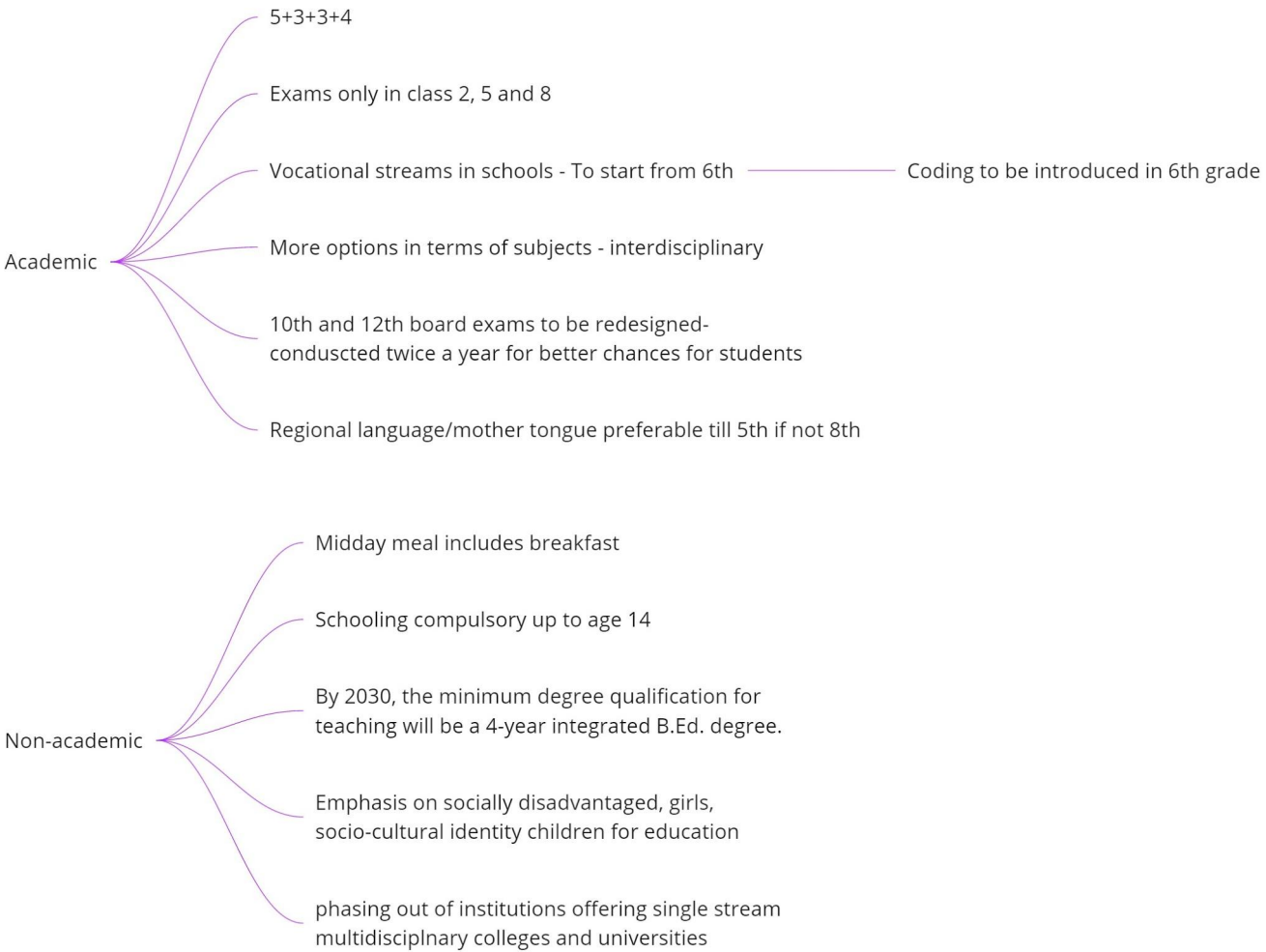
Post-schooling

- Board Exams
- Entrance exams
- College applications
- Scholarship exams and Olympiads

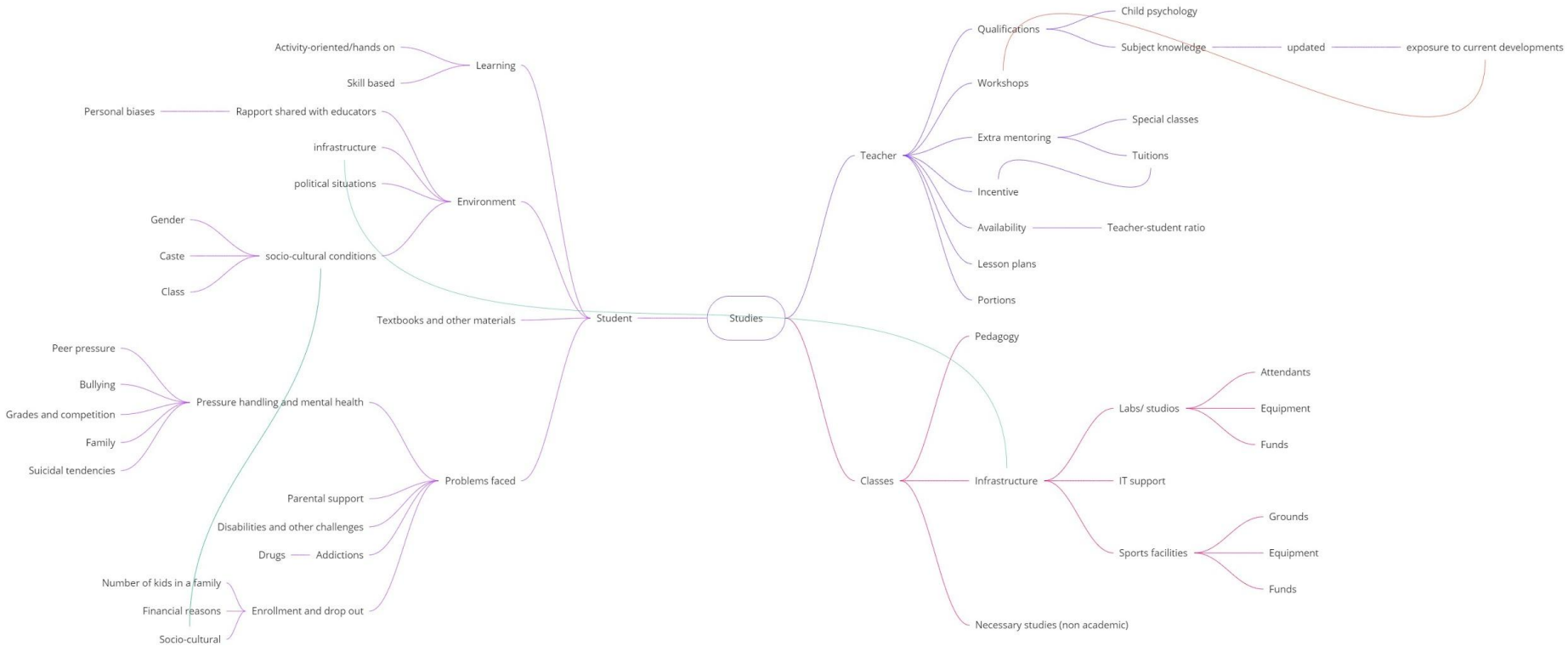
Stakeholders

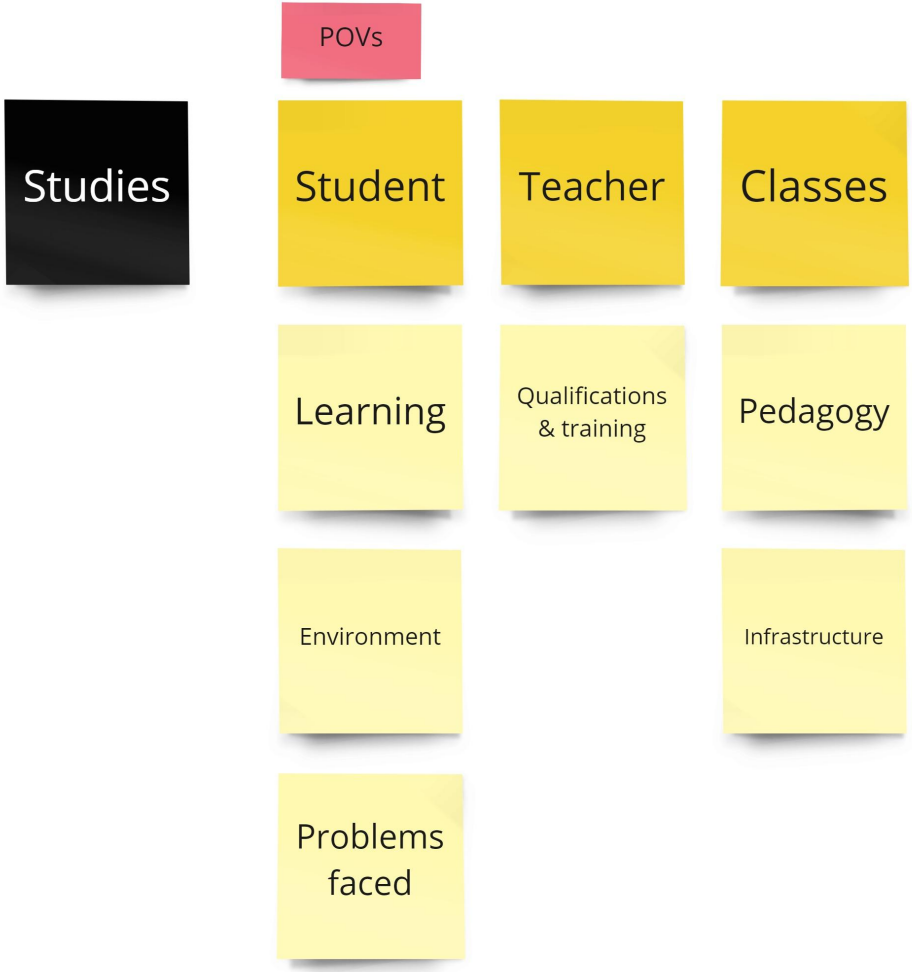
- Attitudes
- Other socio-cultural factors
- Mental health
- Enrolment and other challenges
- Reservations

NEP 2020


Academic
5+3+3+4
Exams only in class 2, 5 and 8
Vocational streams in schools - To start from 6th
Coding to be introduced in 6th grade
More options in terms of subjects - interdisciplinary
10th and 12th board exams to be redesigned-
conduscted twice a year for better chances for students
Regional language/mother tongue preferable till 5th if not 8th
Non-academic
Midday meal includes breakfast
Schooling compulsory up to age 14
By 2030, the minimum degree qualification for
teaching will be a 4-year integrated B.Ed. degree.
Emphasis on socially disadvantaged, girls,
socio-cultural identity children for education
phasing out of institutions offering single stream
multidisciplnary colleges and universities

Studies


Studies
Student
Teacher
Qualifications
Child psychology
Subject knowledge
updated
exposure to current developments
Workshops
Extra mentoring
Special classes
Tuitions
Incentive
Availability
Teacher-student ratio
Lesson plans
Portions
Classes
Pedagogy
Infrastructure
Labs/ studios
Attendants
Equipment
Funds
IT support
Sports facilities
Grounds
Equipment
Funds
Necessary studies (non academic)
Learning
Activity-oriented/hands on
Skill based
Environment
Rapport shared with educators
Personal biases
infrastructure
political situations
socio-cultural conditions
Gender
Caste
Class
Textbooks and other materials
Problems faced
Pressure handling and mental health
Peer pressure
Bullying
Grades and competition
Family
Suicidal tendencies
Parental support
Disabilities and other challenges
Addictions
Drugs
Enrollment and drop out
Number of kids in a family
Financial reasons
Socio-cultural

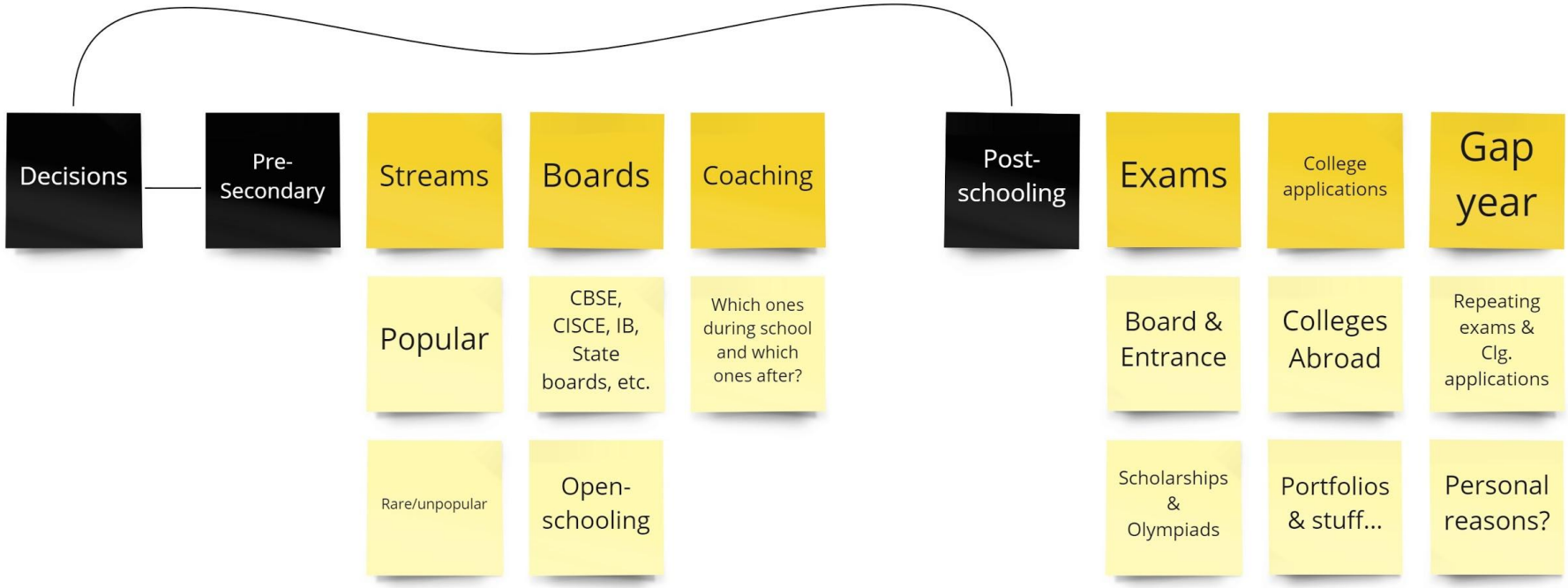

POVs
Studies
Student
Teacher
Classes
Learning
Qualifications & training
Pedagogy
Environment
Infrastructure
Problems faced

Decisions

- Decisions
  - Pre-secondary
    - Streams
      - Popular
        - Science and math
          - Engineering oriented
          - Medicine oriented
          - Science streams
        - Commerce
          - Management and Entrepreneurship
          - Economics
          - Finance
          - Law
          - Marketing
          - Accounting
        - Humanities?
      - Unpopular
        - Humanities
        - Vocational studies
        - Sports
        - Creatives
          - Arts and Design
            - Film and media
            - Design
            - Fine arts
            - Architecture
          - Literature
          - Performance arts
            - Dance
            - Music
            - Dramtics
    - Boards
      - State-boards
      - CBSE
      - CISCE
      - IB
      - Cambridge
      - Open-schooling
    - Coaching
      - IITJEE, SAT
      - Arts, Arch and Design
      - NEET
      - IELTS, TOEFL etc
      - UPSC
      - CA
  - Post-schooling
    - Exams
      - Board Exams
      - Entrance Examinations
      - Scholarships and Olympiads
    - College Applications
      - Colleges abroad
      - Indian colleges?
      - Portfolios and stuff?
        - Essays and applications
        - Interviews
    - Gap year
      - For repeating exams
        - JEE
        - NEET
      - College applications
      - Personal reasons
      - High school internships
    - Scholarships
      - Popular exams
        - NTSE
        - KVPY
        - State scholarships
      - INSPIRE is an innovative programme developed by the the Department of Science & Technology to attract talent to the excitement and study of science at an early age.
        - SEATS
        - SHE

Gap year

US	UK	India
Not so popular	Very popular	Becoming necessity
Don't find need to	Rite of passage	Obsession over particular achievement
		Purely goal oriented/ academic
Deferred admissions		Effectively still very less. Many are unable to attain goal in spite
Financial reasons		
Taking a break		


Decisions
Pre-Secondary
Streams
Boards
Coaching
Post-schooling
Exams
College applications
Gap year
Popular
CBSE, CISCE, IB, State boards, etc.
Which ones during school and which ones after?
Board & Entrance
Colleges Abroad
Repeating exams & Clg. applications
Rare/unpopular
Open-schooling
Scholarships & Olympiads
Portfolios & stuff...
Personal reasons?

Stakeholders

Stakeholders
Students
Parents
Teachers
Admin
Policy makers/govt
Institutes offering higher education
Job market
Interpersonal relations
Edu. background
Qualifications and training
Monies & Incentives
Structural guidelines
Coaching
Expectations
Aspirations and challenges
Cultural bg.
Incentives
Infrastructure
Privatizations
Limitations
Divides
Outlook
Biases
Private vs govt
Politics
High school internships?
Disabilities and accessibility issues
Familial restrictions (personal, financial)
Funds
Affirmative action, other policies

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Rapid shift in pace from 10th to 11th
Industry training
Govt Polytechnics and subsidized fees
Short term training programs and drives
Diploma programmes
Polytechnic Statistics
College
CBSE
ICSE
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State
Different boards
Parents vs students
Students vs students
Working in teams
teachers vs students
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Increase in private education/tuitions
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Access
Gender
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Teachers
Admin
Policy makers/govt
Institutes offering higher education?
Job market?
Social responsibility
Literacy does not equal progressivism

Next Steps

Next Steps

1. Looking into the possible challenges of NEP
2. Link common recurring themes
3. Define system boundaries better
4. Define focus points in more depth

Questions?

Thank You