

Dear students

This week classes will be on “assessment in science education”. We will be discussing the sub topics in light of the discussion already held in science stream classes which included the following-

- What is assessment and its importance
- How is assessment different from evaluation and measurement
- What are the tools and techniques of assessment
- How can rubrics be developed and used for assessment
- What is performance based assessment

You are expected to go through the following references before the class so as to facilitate discussion and make it meaningful

1 . Assessment in science

<https://www.nap.edu/read/4962/chapter/7#102>

2. Learning objectives vs. learning outcome

<https://resources.depaul.edu/teaching-commons/teaching-guides/course-design/Pages/course-objectives-learning-outcomes.aspx>

3. Developing portfolios for assessment

[https://books.google.co.in/books?hl=en&lr=&id=GnnEPa3osH4C&oi=fnd&pg=PP2&dq=developing+portfolios+for+learning+and+assessment&ots=5Y\\_PC45f1Z&sig=V2ljK9VbHoI2\\_UpjR67Y\\_pT29mk#v=onepage&q=developing%20portfolios%20for%20learning%20and%20assessment&f=false](https://books.google.co.in/books?hl=en&lr=&id=GnnEPa3osH4C&oi=fnd&pg=PP2&dq=developing+portfolios+for+learning+and+assessment&ots=5Y_PC45f1Z&sig=V2ljK9VbHoI2_UpjR67Y_pT29mk#v=onepage&q=developing%20portfolios%20for%20learning%20and%20assessment&f=false)

<https://www.youtube.com/watch?v=sacuuqjHPXo>

<https://www.youtube.com/watch?v=Yz7JkF5Hips>

## 4. creativity in science and assessment through creative expressions

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