# Elementary STEM/Student

# Nguyễn Quản Bá Hồng\*

## Ngày 14 tháng 5 năm 2023

### Tóm tắt nội dung

A list of my students & those who are no longer. A personal survey on psychological perspective of teaching & learning STEM. The latest version of this text has been stored & downloadable at the following link:  $GitHub/NQBH/hobby/STEM/student^1$ .

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<sup>&</sup>lt;sup>1</sup>URL: https://github.com/NQBH/hobby/blob/master/STEM/student/NQBH\_elementary\_STEM\_student.pdf.

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## Initialization

- NQBH's STEM schedule: GitHub/NQBH/hobby/schedule<sup>2</sup>.
- NQBH's STEM rule: GitHub/NQBH/hobby/STEM/rule<sup>3</sup>.
  - Pay tuition fee each 10-day period. Reason: Easy to divide by 10 instead of 8-14 if 2-3 days/week.
  - Expel thieves immediately & permanently.
- Convention. := paid.  $\circ :=$  have not paid yet.
- Reward & Punish Rule.
  - For each 9–9.4: 30000 VND, 9.5–9.9: 40000 VND, 10: 50000 VND; 4–5: −30000 VND, 3–3.9: −40000 VND, 0–2.9: −50000 VND for each subject: elementary mathematics, chemistry, physics, programming, & linguistics/english (if having been taught).
  - Vòng Huyện Toán, Lý, Hóa, Tin, Giải Toán Trên Máy Tính Cầm Tay (MTCT): khuyến khích: 100000 VND, giải 3: 200000 VND, giải 2: 300000 VND, giải 1: 400000 VND.
  - Vòng Tỉnh Toán, Lý, Hóa, Tin, Giải Toán Trên MTCT: khuyến khích: 500000 VND, giải 3: 600000 VND, giải 2: 800000 VND, giải 1: 1000000 VND.
  - Vòng Quốc Gia Toán, Lý, Hóa, Tin, Giải Toán Trên MTCT: khuyến khích: 1200000 VND, giải 3: 1400000 VND, giải 2: 1600000 VND, giải 1: 2000000 VND.

 $\textbf{Remark 1.} \ \textit{This rewards rule is a basic psychological test on endurance, perseverance, \& pedagogical methodology.}$ 

## 1 Elementary Mathematics

### 1.1 Grade 6

## 1.1.1 2022-2023

Jul 25, 27, 29; Aug 1, 3, 5, 8, 10, 12, 15 • 17, 19, 22, 24, 26, 29; Sep 6, 8, 13, 15 • 20, 22, 27, 29; Oct 4, 6, 11, 13, 18, 20 • 25, 27; Nov 1, 3, 22, 24, 29; Dec 1, 6, 8 • 13, 15, 20, 22, 25, 2022; Jan 3, 5, 10, 12, 31 • Feb 2, 7, 9, 14, 16, 21, 23, 28; Mar 2, 7 • 9, 14, 16, 21, 23, 28, 30; Apr 4, 6, 11 • 13, 18, 20; May 9, 11, 2023.

- 1. NGUYỄN THỊ KIM ANH. [In] Jul 25, 2022.
  - Paid tutor fee. Aug, Sep, Oct, Nov, Dec 2022; Jan, Feb, Mar, Apr, 2023.
  - Reward. 90000 VND [Math: midterm II: 10, final term II: 9.75; Natural Science: midterm II: 10, final term II: 9.75].
- 2. NGUYỄN HÀ NHỰT ANH. [In] Aug 24, 2022. [Re-In] Oct 15, 2022. Feb 21, 2023.
  - Paid tutor fee. Sep, Oct, Nov, Dec 2022; Jan, Feb, Mar, Apr, 2023.
  - Reward. 40000 VND [Math: midterm II: 9.5; Natural Science: midterm II: 9.5, final term II: 9.5].
- 3. Đỗ HOÀNG GIA BẢO. [ln] Sep 22, 2022. [Out] Feb 9, 2023.
  - Paid tutor fee. Sep, Oct, Nov, Dec 2022; Jan, 2023.
- 4. TRẦN GIA BẢO. [In] Jul 25, 2022. [Out] Sep 27, 2022.
  - Paid tutor fee. Aug, Sep, 2022.
- 5. LÊ DUYÊN MINH CHÂU. [In] Jul 25, 2022. [Out] Aug 29, 2022.
  - Paid tutor fee. Aug, 2022.
- 6. NGUYỄN TÂM ĐẮC. [In] Jul 25, 2022. [Out] Jan 2, 2023.
  - Paid tutor fee. Aug, Sep, Oct, Nov, Dec 2022; Jan 2023.
- 7. NGUYỄN HỮU HIẾU. [In] Jul 25, 2022. [Out] Nov 1, 2022.
  - Paid tutor fee. Aug, Sep, Oct, 2022.
- 8. Nguyễn Hoàng Bảo Lam. [In] Jul 25, 2022.
  - Paid by food/noodles discounts.

<sup>&</sup>lt;sup>2</sup>URL: https://github.com/NQBH/hobby/blob/master/schedule/NQBH\_schedule.pdf.

<sup>&</sup>lt;sup>3</sup>URL: https://github.com/NQBH/hobby/blob/master/STEM/rule/NQBH\_STEM\_rule.pdf.

- Reward. [Math: midterm II: 9].
- 9. TRẦN VĂN PHÁT LỘC. [In] Jan 31, 2023.
  - Paid tutor fee. Feb, Mar, 2023.
- 10. Ngô Nguyễn Phương Nghi. [In] Jul 25, 2022.
  - Paid tutor fee. Aug, Sep, Oct, Nov, Dec 2022; Jan, Feb, Mar, Apr, 2023.
  - Reward. 70000 VND [Math: midterm II: 9.5, final term II: 9Natural Science: midterm II: 9.25].
- 11. Đỗ NGUYỄN BẢO NGỌC. [In] Sep 27, 2022. [Out] Feb 2, 2023.
  - Paid tutor fee. Oct, Nov, Dec 2022. Unpaid tutor fee. Jan 2023.
- 12. ĐÀM KHÁNH NGỌC. [In] Oct 18, 2022.
  - Paid tutor fee. Nov, Dec 2022; Jan, Feb, Mar, Apr, 2023.
  - Personality. Introverted.
  - Reward. 160000 VND [Math: midterm I: 9, final term I: 9.5, midterm II: 10, final term II: 10; Natural Science: midterm I: 10, final term I: 9.8, midterm II: ?, final term II: ?].
  - Score. DKN's 1st semester.
- 13. NGUYỄN NHƯ NGỌC. [In] Jul 25, 2022.
  - Paid tutor fee. Aug, Sep, Oct, Nov, Dec 2022; Jan, Feb, Mar, Apr, 2023.
  - Personality. Introverted.
  - Reward. 1-euro coin + 140000 VND [Math: midterm I: 9.5, final term I: 9, midterm II: 9.8, final term II: 9.75, final term: 9.75; Natural Science: midterm I: 10, final term I: 9.7, midterm II: 9, final term II: 9.5].
  - Score. NNN's 1st semester.<sup>4</sup>
- 14. NGUYỄN BÌNH NGUYÊN. [In] Jul 25, 2022. [Out] Sep 20, 2022.
  - Paid tutor fee. Aug, 2022.
- 15. LÊ TRỌNG NHÂN. [In] Jul 25, 2022.
  - Paid tutor fee. Aug, Sep, Oct, Nov, Dec 2022; Jan, Feb, Mar, Apr, 2023.
- 16. TRẦN NGỌC NHI. [In] Jul 25, 2022. [Out] Dec 6, 2022.
  - Paid tutor fee. Aug, Sep, Oct, Nov, 2022.
- 17. NGUYỄN NGỌC THU NHIÊN. [In] Jul 25, 2022. [Out] Sep 20, 2022.
  - Paid tutor fee. Aug, 2022.
- 18. VÕ LÂM QUỲNH NHƯ. [In] Jul 25, 2022.
  - Paid tutor fee. Aug, Sep, Oct, Nov, Dec 2022; Jan, Feb, Mar, Apr, 2023.
  - Reward. 80000 VND [Math: midterm I: 9.5, midterm II: 10; Natural Science: midterm II: , final term II: 10].
- 19. Đào Minh Hồng Phát. [ln] Jul 25, 2022.
  - Paid tutor fee. Aug, Sep, Oct, Nov, Dec 2022; Jan, 2023.
- 20. NGUYỄN HỮU PHÁT. [In] Aug 1, 2022.
  - Paid tutor fee. Aug, Sep, Oct, Nov, Dec 2022; Jan, Feb, Mar, Apr, 2023.
  - Reward. 30000 VND [Math: final term 2: 9].
- 21. NGUYỄN KHÁNH PHƯƠNG. [In] Jan 31, 2023.
  - Paid tutor fee. Feb, Mar, Apr, 2023.
  - Reward. 30000 VND [Natural Science: final term II: 9].
- 22. Phan Tấn Quân. [ln] Jul 25, 2022. [Out] Aug 25, 2022.
  - Paid tutor fee. Aug, 2022.

 $<sup>^4\</sup>mathrm{The}$  abbreviation of her name should not be confused with No Nut November.

- 23. Trương Khánh Quỳnh. [In] Aug 3, 2022. [Out] Aug 5, 2022.
- 24. NGUYỄN THỊ BẢO THI. [In] Jul 25, 2022. [Out] Dec 8, 2022.
  - Paid tutor fee. Aug, Sep, Oct, Nov, 2022.
- 25. Phan Nguyễn Anh Thơ. [In] Aug 5, 2022. [Out] Sep 8, 2022.
  - Paid tutor fee. Aug, 2022.
- 26. Đào Ngọc Quế Trân. [ln] Jul 25, 2022. [Out] Feb 5, 2023.
  - Paid tutor fee. Aug, Sep, Oct, Nov, Dec 2022. Unpaid tutor fee. Jan 2023.
  - Personality. Extroverted, noisy, loud, extremely love strong stimulation.
- 27. NGUYỄN NGỌC THÙY TRÂM. [In] Aug 3, 2022. [Out] Sep 8, 2022.
  - Paid tutor fee. Aug, 2022.
- 28. LÊ PHƯƠNG TRINH. [ln] Jul 25, 2022. [Out] Nov 22, 2022.
  - Paid tutor fee. Aug, Sep, 2022.
  - Personality. Self-centric.
- 29. LÊ THANH TRÚC. [In] Aug 26, 2022. [Out]
  - Paid tutor fee. Sep, 2022.
- 30. TRẦN NGỌC CẨM TÚ. [In] Sep 27, 2022. [Out, Expelled Permanently]: Nov 24, 2022.
  - Paid tutor fee. Oct, 2022.
- 31. TRẦN THỊ THÚY VY. [In] Sep 13, 2022. [Out] Dec 8, 2022.
  - Paid tutor fee. Oct, Nov. 2022.
- 32. NGUYỄN LÊ TƯỜNG VY. [In] Aug 10, 2022. [Out] Dec 1, 2022.
  - Paid tutor fee. Aug, Sep, Oct, 2022.

## $1.1.2 \quad 2023 – 2024$

### 1.2 Grade 7

### 1.2.1 2022-2023

- 2. Lê Tiến Đạt. [ln] Sep 18, 19, 25, 26; Oct 2, 3, 9, 10, 16, 17 23, 24, 30, 31; Nov 6, 7, 13, 14, 20, 24 27, 28; Dec 4, 5, 11, 12, 18, 19, 2022; Jan 8, 9 30; Feb 5, 6, 12, 13, 19, 20, 26, 27; Mar 5 6, 12, 13, 19, 20, 26, 27; Apr 2, 9, 10 17, 2023.
  - Reward. 30000 VND [Natural Science: midterm I: 9.5].
- 3. TRẦN NGỌC THÚY QUYÊN. [In] Sep 18, 19, 25, 26; Oct 2, 3, 9, 10, 16, 17  $\bullet$  23, 24, 30, 31; Nov 6, 7, 13, 14, 20, 21  $\bullet$  27, 28; Dec 4, 5, 11, 12, 18, 19, 2022; Jan 8, 9  $\bullet$  30; Feb 5, 6, 12, 13, 19, 20, 26, 27; Mar 5  $\bullet$  6, 12, 13, 19, 20, 26, 27; Apr 2, 9, 10  $\bullet$  17, 2023.
  - Reward. 210000 VND [Math: midterm I: 10, final term I: 9.3, midterm II: 10, final term II: 9.75; Natural Science: midterm I: 10, final term I: 9, midterm II: 9.5, final term II: ?]
  - Score. TNTQ's 1st semester.
- 4. PHAM HỮU NHÂN. [ln] Oct 10, 16, 17, 23, 24, 30, 31; Nov 6, 7, 13 14, 20, 21, 27, 28; Dec 4, 5, 11, 12, 18 19, 2022; Jan 8, 9, 30; Feb 5, 6, 12, 13, 19, 20 ∘ 26, 27; Mar 5, 6, 12, 13, 19, 20, 26, 2023. [Out Permanently]
  - Tutor fee. Monthly instead of 10-day period. Reason: parents cannot compute.
- 5. Đàm Trung Tín. [In] Aug 2, 4, 6, 9, 11, 13, 16, 20, 23, 25 27, 30; Sep 1, 3, 18, 19, 25, 26; Oct 2, 3 9, 10, 16, 17, 23, 24, 30, 31; Nov 6, 7 13, 14, 20, 21, 27, 28; Dec 4, 5, 11, 12 18, 19, 2022; Jan 8, 9, 30; Feb 5, 6, 12, 13, 19 20, 26, 27; Mar 5, 6, 12, 13, 19, 20, 26 27; Apr 2, 9, 10, 17, 2023.
  - Reward. 30000 VND [Natural Science: midterm I: 9.75].

#### 1.2.2 2023-2024

## 1.3 Grade 8

### 1.3.1 2022-2023

- 1. BÙI QUỐC ĐỮNG. [In] Oct 1, 2, 7, 9, 14, 23, 2022. [Out] Oct 28, 2022.
- 2. NGUYỄN NGỌC MỸ DUYÊN. [ln] Oct 4, 2, 9, 10, 14, 16, 23, 30; Nov 6, 13 20, 27; Dec 4, 11, 18, 23, 25, 2022; Jan 8; Feb 3, 5 10, 12, 17, 19, 24, 26; Mar 3, 5, 12, 17 19, 24, 26, 31; Apr 2, 7, 9, 14, 16, 21 23, 2023.
  - Punish. -40000 VND [Math: final term II: 3.5].
- 3. Phan Đặng Tuyết Hồng. [In] Oct 9, 10, 14,  $\frac{16}{23}$ , 23, 30; Nov 6,  $\frac{13}{20}$ ,  $\frac{27}{27}$  Dec 4, 11, 18, 23, 25, 2022; Jan 8; Feb 3, 5, 10, 12  $\frac{17}{27}$ , 19, 24, 26; Mar 3, 5,  $\frac{12}{27}$ , 17, 19, 24 26, 31, Apr 2, 7, 9, 14, [paid] 16, 21, 23, 2023.
  - Punish. -40000 VND [Math: final term I: 3.5].
- 4. TRẦN KHÁNH MY. [In] Oct 1, 2, 7, 9, 14, 16, 21, 23, 28, 30  $\bullet$  Nov 4, 6, 11, 13, 18, 20, 27; Dec 2, 4, 11  $\bullet$  16, 48, 23, 25, 2022; Jan 8; Feb 3, 5, 10, 12, 17  $\bullet$  49, 24, 26; Mar 3, 5, 12, 17, 19, 24, 26  $\bullet$  31; Apr 2, 7, 9, 14, 16, 21, 23, 2023.
  - Reward. 300000 VND [Math: midterm I: 9.75, midterm II: 9, final term II: 9.5; Chemistry: midterm I: 9.5, final term I: 9.3, midterm II: 9.3, final term II: 10; Physics: midterm II: 9.3].
- 5. Nguyễn Mai Duy Nghĩa. [In] Apr 16, 23, 2023.
  - Reward. 40000 VND [Math: midterm II: 9, final term II: 9.75].
- 6. Hồ Tấn Phát. [ln] Apr 11, 12, 16, 23, 2023.
  - Reward. 50000 VND [Math: midterm II: 9, final term II: 10].
- 7. HUỲNH LÊ PHÚ. [In] Oct 2, 7, 9, 14, 16, 21, 23, 28, 30; Nov  $4 \bullet 6$ , 11, 13, 18, 20, 27; Dec 2, 4, 11, 16 18, 23, 25, 2022; Jan 8; Feb 3, 5, 10, 12, 17, 19 24, 26; Mar 3, 5, 12, 17, 19, 24, 26, 31 Apr 2, 7, 9, 14, 16, 21, 23, 2023.
  - Reward. 30000 VND [Math: midterm II: 9].
- 8. Đỗ Kim Phụng. [In] Oct 4, 2, 9, 10, 14, 46, 23, 30; Nov 6,  $13 \bullet 20$ , 27, Dec 4, 11, 18, 25, 2022; Jan 8; Feb 5, 42,  $19 \bullet 26$ ; Mar 5, 12, 19, 26; Apr 2, 7, 14, 16,  $21 \circ 23$ , 2023.
- 9. Đỗ Hoàng Quân. [In] Feb 3, 10, 17, 24; Mar 3, 17, 24, 26, 31; Apr 2 7, 9, 14, 16, 21, 23, 2023.
  - Reward. 40000 VND [Math: midterm II: 9.5].
- 10. Đường Ngọc Anh Thư. [In] Oct 7, 9, 14, 16, 21, 23,  $\frac{28}{28}$ , 30; Nov 4, 6 11, 13, 18, 20, 27; Dec 2, 4, 11, 16, 18 23, 25, 2022; Jan 8; Feb 3, 5, 10, 12, 17, 19, 24 26; Mar 3, 5, 12, 17, 19, 24, 26, 31; Apr 2 7, 9, 14, 16, 21, 23, 2023.
  - Reward. 310000 VND [Math: midterm I: 9.8, midterm II: 9; Chemistry: midterm II: 9.5, final term II: 10; Physics: midterm II: 10, final term II: 9.75].
- 11. TRƯƠNG HỒ YẾN QUỲNH. [In] Aug 5, 2022. [Out].

### 1.3.2 2023-2024

### 1.4 Grade 9

#### $1.4.1 \quad 2022-2023$

- 1. NGUYỄN CÔNG ĐẠT. [In] Jun 21, 2022. [Out] Jun 23, 2022.
- 2. HUỳNH ĐỒNG HỮU TOÀN. [In] May 8, 9, 2023.

#### 1.4.2 2023-2024

May 7, 2023.

- 1. Nguyễn Ngọc Mỹ Duyên.
- 2. Lê Tiến Đạt.
- 3. Phan Đặng Tuyết Hồng.
- 4. Trần Khánh My.
- 5. Nguyễn Mai Duy Nghĩa.

- 6. Hồ Tấn Phát.
- 7. HUỳNH LÊ PHÚ.
- 8. Đỗ Kim Phụng.
- 9. Đỗ Hoàng Quân.
- 10. TRẦN NGỌC THÚY QUYÊN.
- 11. Đường Ngọc Anh Thư.

#### 1.5 Grade 10

#### 1.5.1 2022-2023

- 1. Ngô THị HUỳNH NHƯ. [In] Sep 14, 16, 28, 30; Oct 7, 12, 19, 20, 21, 28 Nov 2, 3, 10, 14, 17, 24 2022. [Pause]
- 2. Đàm Thị Quỳnh Như. [ln] Aug 9, 12, 14, 16, 21, 23, 26, 30; Sep 11,  $14 \bullet 16$ , 21, 28, 30; Oct 3, 7, 10, 12, 19,  $20 \bullet 21$ , 24, 28, 31; Nov 2, 3, 10, 14, 17,  $24 \bullet 2022$ . [Pause]

### $1.5.2 \quad 2023-2024$

## 1.6 Grade 11

#### 1.6.1 2022-2023

1. NGUYỄN THỊ NGỌC NHI. [In] Aug 4, 6, 9, 11, 13, 16, 18, 20, 23, 27  $\bullet$  Sep 8, 15, 17, 22, 23, 29, 30; Oct 8, 13, 31  $\bullet$  Dec 1, 8, 15, 26, 2022; Feb 8, 10, 12, 15, 17, 19  $\bullet$  22, 24; Mar 1, 6, 13, 15, 17, 20, 24, 31  $\bullet$  Apr 5, 7, 10, 17, 19, 21, 24, 2023.

#### $1.6.2 \quad 2023-2024$

### 1.7 Grade 12

#### $1.7.1 \quad 2022-2023$

- 1. Đỗ THÀNH Lợi. [In] Sep 27, 28; Oct 2, 5, 12, 15, 22; Nov 13; Dec 4, 2022. [Out]
- 2. TRẦN ĐứC THỊNH. [In] Sep 27; Oct 12, 2022. [Out]
- 3. Du Hoàng Tú. [ln] Sep 20, 21, 27, 28; Oct 2, 4, 5, 12, 25; Nov 9 30; Dec 6, 2022; Feb 2, 7, 23; Mar 2, 28; Apr 6, 13; May 14 2023.

## 1.7.2 2023-2024

# 2 Elementary Natural Science

#### 2.1 Grade 7

#### 2.1.1 2022-2023

- 1. Lê Tiến Đạt. [In] Sep 18, 19, 25, 26; Oct 2, 3, 9, 10, 16, 17 23, 24, 30, 31; Nov 6, 7, 13, 14, 20, 24 27, 28; Dec 4, 5, 11, 12, 18, 19, 2022; Jan 8, 9 30; Feb 5, 6, 12, 13, 19, 20, 26, 27; Mar 5 6, 12, 13, 19, 20, 26, 27; Apr 2, 9, 10 17, 2023.
- 2. TRẦN NGỌC THÚY QUYÊN. [In] Sep 18, 19, 25, 26; Oct 2, 3, 9, 10, 16, 17  $\bullet$  23, 24, 30, 31; Nov 6, 7, 13, 14, 20, 21  $\bullet$  27, 28; Dec 4, 5, 11, 12, 18, 19, 2022; Jan 8, 9  $\bullet$  30; Feb 5, 6, 12, 13, 19, 20, 26, 27; Mar 5  $\bullet$  6, 12, 13, 19, 20, 26, 27; Apr 2, 9, 10  $\bullet$  17, 2023.
- 3. Đàm Trung Tín. [In] Aug 2, 4, 6, 9, 11, 13, 16, 20, 23, 25 27, 30; Sep 1, 3, 18, 19, 25, 26; Oct 2, 3 9, 10, 16, 17, 23, 24, 30, 31; Nov 6, 7 13, 14, 20, 21, 27, 28; Dec 4, 5, 11, 12 18, 19, 2022; Jan 8, 9, 30; Feb 5, 6, 12, 13, 19 20, 26, 27; Mar 5, 6, 12, 13, 19, 20, 26 27; Apr 2, 9, 10, 17, 2023.

## 2.1.2 2023-2024

### 2.2 Grade 8

## 2.2.1 2023-2024

- 1. Lê Tiến Đạt.
- 2. TRẦN NGỌC THÚY QUYÊN.

## 3 Elementary Physics

## 3.1 Grade 8

#### $3.1.1 \quad 2022-2023$

- 1. Bùi Quốc Dũng. [In] Oct 1, 2, 7, 9, 14, 23, 2022. [Out] Oct 28, 2022.
- 2. NGUYỄN NGỌC MỸ DUYÊN. [ln] Oct 4, 2, 9, 10, 14, 16, 23, 30; Nov 6, 13 20, 27; Dec 4, 11, 18, 23, 25, 2022; Jan 8; Feb 3, 5 10, 12, 17, 19, 24, 26; Mar 3, 5, 12, 17 19, 24, 26, 31; Apr 2, 7, 9, 14, 16, 21 23, 2023.
- 3. Phan Đặng Tuyết Hồng. [In] Oct 9, 10, 14,  $\frac{16}{23}$ , 30; Nov 6,  $\frac{13}{20}$ ,  $\frac{27}{20}$  Dec 4, 11, 18, 23, 25, 2022; Jan 8; Feb 3, 5, 10, 12  $\frac{17}{20}$ , 19, 24, 26; Mar 3, 5,  $\frac{12}{20}$ , 17, 19, 24 26, 31, Apr 2, 7, 9, 14, [paid] 16, 21, 23, 2023.
- 4. TRẦN KHÁNH MY. [In] Oct 1, 2, 7, 9, 14, 16, 21, 23, 28, 30 Nov 4, 6, 11, 13, 18, 20, 27; Dec 2, 4, 11 16, 48, 23, 25, 2022; Jan 8; Feb 3, 5, 10, 12, 17  $\frac{19}{2}$ , 24, 26; Mar 3, 5, 12, 17, 19, 24, 26 31; Apr 2, 7, 9, 14, 16, 21, 23, 2023.
- 5. Nguyễn Mai Duy Nghĩa. [ln] Apr 16, 23, 2023.
- 6. Hồ Tấn Phát. [ln] Apr 11, 12, 16, 23, 2023.
- 7. HUỲNH LÊ PHÚ. [In] Oct 2, 7, 9, 14, 46, 21, 23, 28, 30; Nov  $4 \bullet 6$ , 11, 43, 48, 20, 27; Dec 2, 4, 11,  $16 \bullet 48$ , 23, 25, 2022; Jan 8; Feb 3, 5, 10, 12, 47,  $19 \bullet 24$ , 26; Mar 3, 5, 12, 17, 19, 24, 26,  $31 \bullet$  Apr 2, 7, 9, 14, 16, 21, 23, 2023.
- 8. Đỗ Hoàng Quân. [In] Feb 3, 10, 17, 24; Mar 3, 17, 24, 26, 31; Apr 2 7, 9, 14, 16, 21, 23, 2023.
- 9. Đường Ngọc Anh Thư. [In] Oct 7, 9, 14, 16, 21, 23, <del>28</del>, 30; Nov 4, 6 11, 13, 18, 20, 27; Dec 2, 4, 11, 16, 18 23, 25, 2022; Jan 8; Feb 3, 5, 10, 12, 17, 19, 24 26; Mar 3, 5, 12, 17, 19, 24, 26, 31; Apr 2 7, 9, 14, 16, 21, 23, 2023.

#### $3.1.2 \quad 2023-2024$

#### 3.2 Grade 9

### 3.2.1 2023-2024

May 7, 2023.

- 1. Nguyễn Ngọc Mỹ Duyên.
- 2. Lê Tiến Đạt.
- 3. Phan Đặng Tuyết Hồng.
- 4. Trần Khánh My.
- 5. Nguyễn Mai Duy Nghĩa.
- 6. Hồ Tấn Phát.
- 7. Huỳnh Lê Phú.
- 8. Đỗ Kim Phụng.
- 9. Đỗ Hoàng Quân.
- 10. TRẦN NGỌC THÚY QUYÊN.
- 11. Đường Ngọc Anh Thư.

## 3.3 Grade 10

## 3.3.1 2022-2023

- 1. Ngô Thị Huỳnh Như. [In] Sep 14, 16, 28, 30; Oct 7, 12, 19, 20, 21, 28 Nov 2, 3, 10, 14, 17, 24 2022. [Pause]
- 2. ĐÀM THỊ QUỲNH NHƯ. [In] Aug 9, 12, 14, 16, 21, 23, 26, 30; Sep 11, 14 16, 21, 28, 30; Oct 3, 7, 10, 12, 19, 20 21, 24, 28, 31; Nov 2, 3, 10, 14, 17, 24 2022. [Pause]

#### $3.3.2 \quad 2023-2024$

## 3.4 Grade 11

#### 3.4.1 2022-2023

1. NGUYỄN THỊ NGỌC NHI. [In] Aug  $4, 6, 9, 11, 13, 16, 18, 20, 23, 27 \bullet \text{Sep } 8, 15, 17, 22, 23, 29, 30; Oct <math>8, 13, 31 \bullet \text{Dec } 1, 8, 15, 26, 2022; \text{Feb } 8, 10, 12, 15, 17, 19 \bullet 22, 24; \text{Mar } 1, 6, 13, 15, 17, 20, 24, 31 \bullet \text{Apr } 5, 7, 10, 17, 19, 21, 24, 2023.$ 

#### $3.4.2 \quad 2023-2024$

### 3.5 Grade 12

### 3.5.1 2022-2023

- 1. Đỗ THÀNH Lợi. [In] Sep 27, 28; Oct 2, 5, 12, 15, 22; Nov 13; Dec 4, 2022. [Out]
- 2. Du Hoàng Tú. [In] Sep 20, 21, 27, 28; Oct 2, 4, 5, 12, 25; Nov 9 30; Dec 6, 2022; Feb 2, 7, 23; Mar 2, 28; Apr 6, 13; May 14 2023.

#### $3.5.2 \quad 2023-2024$

# 4 Elementary Chemistry

Elementary Chemistry with mathematical-chemistry-focused problems.

### 4.1 Grade 8

#### 4.1.1 2022-2023

- 1. Bùi Quốc Dũng. [ln] Oct 1, 2, 7, 9, 14, 23, 2022. [Out] Oct 28, 2022.
- 2. NGUYỄN NGỌC MỸ DUYÊN. [ln] Oct 4, 2, 9, 10, 14,  $\frac{16}{23}$ , 30; Nov 6, 13 20, 27; Dec 4, 11, 18, 23, 25, 2022; Jan 8; Feb 3, 5 10, 12, 47, 19, 24, 26; Mar 3, 5, 12, 17 19, 24, 26, 31; Apr 2, 7, 9, 14, 16, 21 23, 2023.
- 3. Phan Đặng Tuyết Hồng. [ln] Oct 9, 10, 14, 46, 23, 30; Nov 6, 43, 20, 27 Dec 4, 11, 18, 23, 25, 2022; Jan 8; Feb 3, 5, 10, 12 47, 19, 24, 26; Mar 3, 5, 42, 17, 19, 24 26, 31, Apr 2, 7, 9, 14, [paid] 16, 21, 23, 2023.
- 4. TRẦN KHÁNH MY. [In] Oct 1, 2, 7, 9, 14, 16, 21, 23, 28, 30 Nov 4, 6, 11, 13, 18, 20, 27; Dec 2, 4, 11 16, 48, 23, 25, 2022; Jan 8; Feb 3, 5, 10, 12, 17 49, 24, 26; Mar 3, 5, 12, 17, 19, 24, 26 31; Apr 2, 7, 9, 14, 16, 21, 23, 2023.
- 5. Nguyễn Mai Duy Nghĩa. [In] Apr 16, 23, 2023.
- 6. Hồ Tấn Phát. [ln] Apr 11, 12, 16, 23, 2023.
- 7. HUỲNH LÊ PHÚ. [In] Oct 2, 7, 9, 14, 16, 21, 23, 28, 30; Nov  $4 \bullet 6$ , 11, 13, 18, 20, 27; Dec 2, 4, 11, 16 18, 23, 25, 2022; Jan 8; Feb 3, 5, 10, 12, 17, 19 24, 26; Mar 3, 5, 12, 17, 19, 24, 26, 31 Apr 2, 7, 9, 14, 16, 21, 23, 2023.
- 8. Đỗ Hoàng Quân. [In] Feb 3, 10, 17, 24; Mar 3, 17, 24, 26, 31; Apr 2 7, 9, 14, 16, 21, 23, 2023.
- 9. ĐƯỜNG NGỌC ANH THƯ. [In] Oct 7, 9, 14, 16, 21, 23,  $\frac{28}{28}$ , 30; Nov 4, 6 11, 13, 18, 20, 27; Dec 2, 4, 11, 16, 18 23, 25, 2022; Jan 8; Feb 3, 5, 10, 12, 17, 19, 24 26; Mar 3, 5, 12, 17, 19, 24, 26, 31; Apr 2 7, 9, 14, 16, 21, 23, 2023.

#### $4.1.2 \quad 2023-2024$

### 4.2 Grade 9

#### 4.2.1 2023-2024

May 7, 2023.

- 1. Nguyễn Ngọc Mỹ Duyên.
- 2. Lê Tiến Đạt.
- 3. Phan Đặng Tuyết Hồng.
- 4. Trần Khánh My.
- 5. Nguyễn Mai Duy Nghĩa.
- 6. Hồ Tấn Phát.
- 7. HUỳNH LÊ PHÚ.
- 8. Đỗ Kim Phụng.
- 9. Đỗ Hoàng Quân.
- 10. TRẦN NGỌC THÚY QUYÊN.
- 11. Đường Ngọc Anh Thư.

### 4.3 Grade 10

#### 4.3.1 2022-2023

- 1. Ngô Thị Huỳnh Như. [In] Sep 14, 16, 28, 30; Oct 7, 12, 19, 20, 21, 28 Nov 2, 3, 10, 14, 17, 24 2022. [Pause]
- 2. Đàm Thị Quỳnh Như. [In] Aug 9, 12, 14, 16, 21, 23, 26, 30; Sep 11,  $14 \bullet 16$ , 21, 28, 30; Oct 3, 7, 10, 12, 19,  $20 \bullet 21$ , 24, 28, 31; Nov 2, 3, 10, 14, 17,  $24 \bullet 2022$ . [Pause]

### $4.3.2 \quad 2023 – 2024$

## 4.4 Grade 11

### 4.4.1 2022-2023

1. NGUYỄN THỊ NGỌC NHI. [In] Aug  $4, 6, 9, 11, 13, 16, 18, 20, 23, 27 \bullet \text{Sep } 8, 15, 17, 22, 23, 29, 30; Oct <math>8, 13, 31 \bullet \text{Dec } 1, 8, 15, 26, 2022; \text{Feb } 8, 10, 12, 15, 17, 19 \bullet 22, 24; \text{Mar } 1, 6, 13, 15, 17, 20, 24, 31 \bullet \text{Apr } 5, 7, 10, 17, 19, 21, 24, 2023.$ 

#### 4.4.2 2023-2024

## 4.5 Grade 12

#### 4.5.1 2022-2023

- 1. Đỗ THÀNH Lợi. [In] Sep 27, 28; Oct 2, 5, 12, 15, 22; Nov 13; Dec 4, 2022. [Out]
- 2. Du Hoàng Tú. [In] Sep 20, 21, 27, 28; Oct 2, 4, 5, 12, 25; Nov 9 30; Dec 6, 2022; Feb 2, 7, 23; Mar 2, 28; Apr 6, 13; May 14 2023.

#### $4.5.2 \quad 2023-2024$

## 5 Elementary Computer Science: Programming-Focused

Pascal, Python, C/C++.

## 5.1 Grade 8

## 5.1.1 2022-2023

- 1. Bùi Quốc Dũng. [ln] Oct 1, 2, 7, 9, 14, 23, 2022. [Out] Oct 28, 2022.
- 2. NGUYỄN NGỌC MỸ DUYÊN. [In] Oct 4, 2, 9, 10, 14, 16, 23, 30; Nov 6, 13 20, 27; Dec 4, 11, 18, 23, 25, 2022; Jan 8; Feb 3, 5 10, 12, 17, 19, 24, 26; Mar 3, 5, 12, 17 19, 24, 26, 31; Apr 2, 7, 9, 14, 16, 21 23, 2023.
- 3. Phan Đặng Tuyết Hồng. [In] Oct 9, 10, 14,  $\frac{16}{23}$ , 30; Nov 6,  $\frac{13}{20}$ ,  $\frac{27}{27}$  Dec 4, 11, 18, 23, 25, 2022; Jan 8; Feb 3, 5, 10, 12  $\frac{17}{20}$ , 19, 24, 26; Mar 3, 5,  $\frac{12}{20}$ , 17, 19, 24 26, 31, Apr 2, 7, 9, 14, [paid] 16, 21, 23, 2023.
- 4. TRẦN KHÁNH MY. [In] Oct 1, 2, 7, 9, 14, 16, 21, 23, 28, 30  $\bullet$  Nov 4, 6, 11, 13, 18, 20, 27; Dec 2, 4, 11  $\bullet$  16, 48, 23, 25, 2022; Jan 8; Feb 3, 5, 10, 12, 17  $\bullet$  49, 24, 26; Mar 3, 5, 12, 17, 19, 24, 26  $\bullet$  31; Apr 2, 7, 9, 14, 16, 21, 23, 2023.
- 5. NGUYỄN MAI DUY NGHĨA. [In] Apr 16, 23, 2023.
- 6. Hồ Tấn Phát. [ln] Apr 11, 12, 16, 23, 2023.
- 7. HUỲNH LÊ PHÚ. [In] Oct 2, 7, 9, 14, 46, 21, 23, 28, 30; Nov  $4 \bullet 6$ , 11, 43, 48, 20, 27; Dec 2, 4, 11,  $16 \bullet 48$ , 23, 25, 2022; Jan 8; Feb 3, 5, 10, 12, 47,  $19 \bullet 24$ , 26; Mar 3, 5, 12, 17, 19, 24, 26,  $31 \bullet$  Apr 2, 7, 9, 14, 16, 21, 23, 2023.
- 8. Đỗ Hoàng Quân. [ln] Feb 3, 10, 17, 24; Mar 3, 17, 24, 26, 31; Apr  $2 \bullet 7$ , 9, 14, 16, 21, 23, 2023.
- 9. Đường Ngọc Anh Thư. [In] Oct 7, 9, 14, 16, 21, 23, 28, 30; Nov 4, 6 11, 13, 18, 20, 27; Dec 2, 4, 11, 16, 18 23, 25, 2022; Jan 8; Feb 3, 5, 10, 12, 17, 19, 24 26; Mar 3, 5, 12, 17, 19, 24, 26, 31; Apr 2 7, 9, 14, 16, 21, 23, 2023.

#### $5.1.2 \quad 2023-2024$

## 5.2 Grade 9

## 5.2.1 2023-2024

May 7, 2023.

- 1. Nguyễn Ngọc Mỹ Duyên.
- 2. Lê Tiến Đạt.

- 3. Phan Đặng Tuyết Hồng.
- 4. TRẦN KHÁNH MY.
- 5. Nguyễn Mai Duy Nghĩa.
- 6. Hồ Tấn Phát.
- 7. HUỳNH LÊ PHÚ.
- 8. Đỗ Kim Phụng.
- 9. Đỗ Hoàng Quân.
- 10. TRẦN NGỌC THÚY QUYÊN.
- 11. Đường Ngọc Anh Thư.

### 5.3 Grade 10

## 5.3.1 2022-2023

- 1. Ngô Thị Huỳnh Như. [ln] Sep 14, 16, 28, 30; Oct 7, 12, 19, 20, 21, 28 Nov 2, 3, 10, 14, 17, 24 2022. [Pause]
- 2. Đàm Thị Quỳnh Như. [ln] Aug 9, 12, 14, 16, 21, 23, 26, 30; Sep 11,  $14 \bullet 16$ , 21, 28, 30; Oct 3, 7, 10, 12, 19,  $20 \bullet 21$ , 24, 28, 31; Nov 2, 3, 10, 14, 17,  $24 \bullet 2022$ . [Pause]

## 5.3.2 2023-2024

#### 5.4 Grade 11

### 5.4.1 2022-2023

1. NGUYỄN THỊ NGỌC NHI. [In] Aug 4, 6, 9, 11, 13, 16, 18, 20, 23, 27  $\bullet$  Sep 8, 15, 17, 22, 23, 29, 30; Oct 8, 13, 31  $\bullet$  Dec 1, 8, 15, 26, 2022; Feb 8, 10, 12, 15, 17, 19  $\bullet$  22, 24; Mar 1, 6, 13, 15, 17, 20, 24, 31  $\bullet$  Apr 5, 7, 10, 17, 19, 21, 24, 2023.

#### 5.4.2 2023-2024

### 5.5 Grade 12

## $5.5.1 \quad 2022-2023$

- 1. Đỗ THÀNH Lợi. [In] Sep 27, 28; Oct 2, 5, 12, 15, 22; Nov 13; Dec 4, 2022. [Out]
- 2. Du Hoàng Tú. [ln] Sep 20, 21, 27, 28; Oct 2, 4, 5, 12, 25; Nov 9 30; Dec 6, 2022; Feb 2, 7, 23; Mar 2, 28; Apr 6, 13; May 14 2023.

## 5.5.2 2023-2024

# 6 Olympiad Calculator

## 6.1 Grade 8

#### $6.1.1 \quad 2022-2023$

1. Hồ Tấn Phát. [ln] Apr 11, 12, 16, 23, 2023.

#### 6.2 Grade 9

#### 6.2.1 2023-2024

1. Hồ Tấn Phát.

# 7 Olympiad Informatics

## 7.1 Grade 9

## 7.1.1 2023-2024

1. Hồ Tấn Phát. [Giải 1 Huyện, Giải Khuyến Khích Tỉnh HSG Tin].

# 8 Linguistics/English

Linguistics/English should not be categorized by class but by level instead.

## 8.1 Secondary School – THCS

## 8.2 High School – THPT

## $8.2.1\quad 2022 – 2023$

- 1. Ngô Thị Huỳnh Như. [In] Sep 14, 16, 28, 30; Oct 7, 12, 19, 20, 21, 28 Nov 2, 3, 10, 14, 17, 24 2022. [Pause]
- 2. Đàm Thị Quỳnh Như. [ln] Aug 9, 12, 14, 16, 21, 23, 26, 30; Sep 11, 14  $\bullet$  16, 21, 28, 30; Oct 3, 7, 10, 12, 19, 20  $\bullet$  21, 24, 28, 31; Nov 2, 3, 10, 14, 17, 24  $\bullet$  2022. [Pause]

## $8.2.2\quad 2023 – 2024$